PROJECT PROGRESS REPORT

Group No: 12

“UWU COLLAB” (UNIVERSITY- INDUSTRY COLLABORATION SYSTEM)

Industrial Information Technology
Department of Computer Science and Technology
Uva Wellassa University

GROUP NO: 12

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1. Introduction

Most of the IT related industries are established in Colombo and urban areas where two third of the national universities are located far away from them. That has created a geographical barrier between the industry and IT graduates of those universities. It has directly affected for finding the industrial placements for the internships as well as finding the real-world industrial case studies for second and third level IT projects.

So this system is the perfect online arena, where both the University students and the IT industry find their goal in the pursuit of getting a top notch company or the suitable candidate.

When looking at the current situation, collaborating with IT companies mostly, students find difficulties when searching for internships due to geographical barriers. So “UWU COLLAB” will facilitate as a solutionist method to this problematic situation.

The project is beneficial for university students, various companies visiting the university for recruitment and even the university placement officer. UWU COLLAB allows the students to creates their profiles and upload all their details including their qualifications on to the system.

The system will consist of three components as

follows,

Collab Recruitment

Collab recruitment subsystem will facilitate companies in the industry and undergraduates of UWU with initiating and developing career.

Collab Events

This sub system provides services for societies of UWU to handle functions of events smoothly and in an efficient manner.

Collab Projects

Undergraduates who are interested in engaging with ongoing industry projects can make use of Collab projects to enhance their career objectives.

The software system allows students to view a list of companies who have posted for vacancy. The admin has overall right over the system and can moderate and delete any details not pertaining to university placement tools. The system handles student as well as company data and efficiently displace all this data to respective sides.

Uva Wellassa University is located in Badulla District. When collaborating with IT companies mostly situated in Colombo, students find difficulties when searching for internships and they tend to follow incorrect paths when selecting and applying for internships.

"UWU COLLAB" is a Web Application proposed to give solutions for Undergraduates of Uva Wellassa University to expand the University and Industry Collaboration.

Undergraduates find difficulties when finding internships for solutionize the problem. "UWU COLLAB" will facilitate undergraduates with necessary services. For bridging industry and UWU through workshops which enhance knowledge and skills of undergraduates "UWU COLLAB" will provide with a useful platform. UWU undergraduates face difficulties with finding sponsorships for events to overcome the problem UWU COLLAB will provide collaboration facilities. In order to get practical experience for undergraduates UWU COLLAB will provide real time project experience from industry which facilitate undergraduates to actionize the theories that they have learned.

2. Functional and Non-Functional Requirements

Functional Requirements

User Level	Functional Requirements	Functionalities
Student	Placement	• Create a profile. • Edit a profile. • View company details and vacancies. • Request/bid for a job.
	Messaging Function	• Undergraduates can post their questions regarding industry related matters and get answered them by other students.
	Project	• Request/bid for a project. • Commit for a project.
Company	Placement	• Create a profile • View student details. • Filter undergraduates. • Post a job or a vacancy. • Send Emails
	Project	• Companies can request students to engage with projects. • Companies can view students who interested in relevant project.
Event Coordinators	Event Management	• Create profile • Create event • Initiate discussion. • Edit event. • Delete event. • Schedule event. • Publish notification

		• Check attendance confirmation.
Admin	Controlling of the System	• Admin can rank students according to their performance. • The admin can check each student details and can remove faulty accounts.

Projects

- In Project function Students are categorized into two
  1. 2nd year, 3rd year
  2. 4th year

- Student in 1st Category can develop project in web development, Graphic design, Software application and animation.
- Student in the 2nd Category can engage with research level projects. Academic staff members can Supervise the projects.
- Final reports of 1st Category are uploaded to the system. (Final reports of group projects which include in the curriculum)
- According to the feedback of the evaluation panel 1st Category teams will be ranked.
- After Ranking the top performance of the Category will get an opportunity to develop project collaborating with industry.
- Companies of industry can contact Students Via E-mails.

Ranking Criteria

- Workshop Attendance.
- From the number of project completed and as per their feedbacks.
- According to the GPA.
- Extra curriculum activities. (Sport that they have done, as per the executive post of the students.)

(Students are rank by an academic staff member)

(System administrator will also be an academic staff member)

Non-Functional Requirements

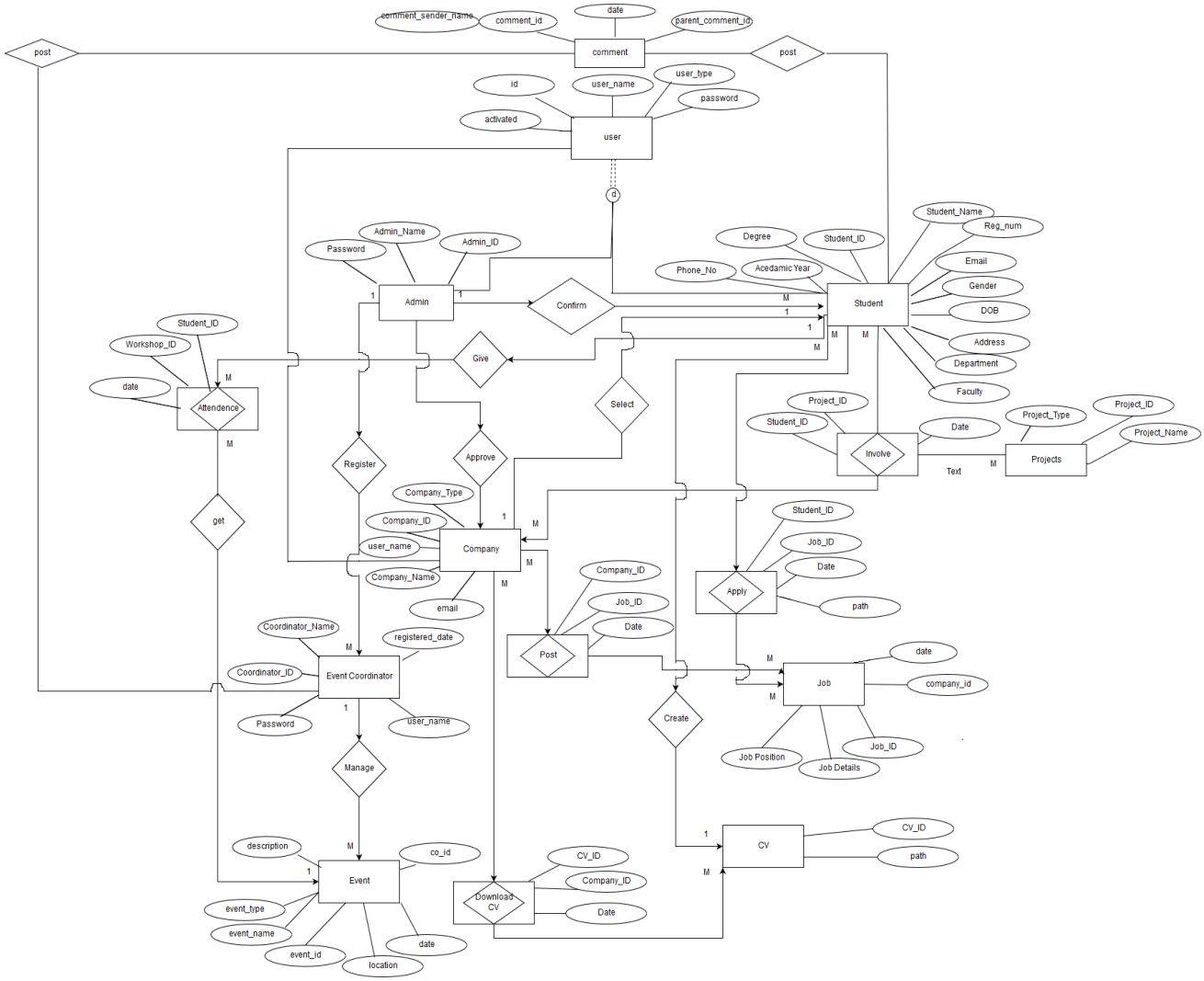
- Increasing the performance
- Security
- Scalability
- Maintainability
- Usability

3. User levels, User roles

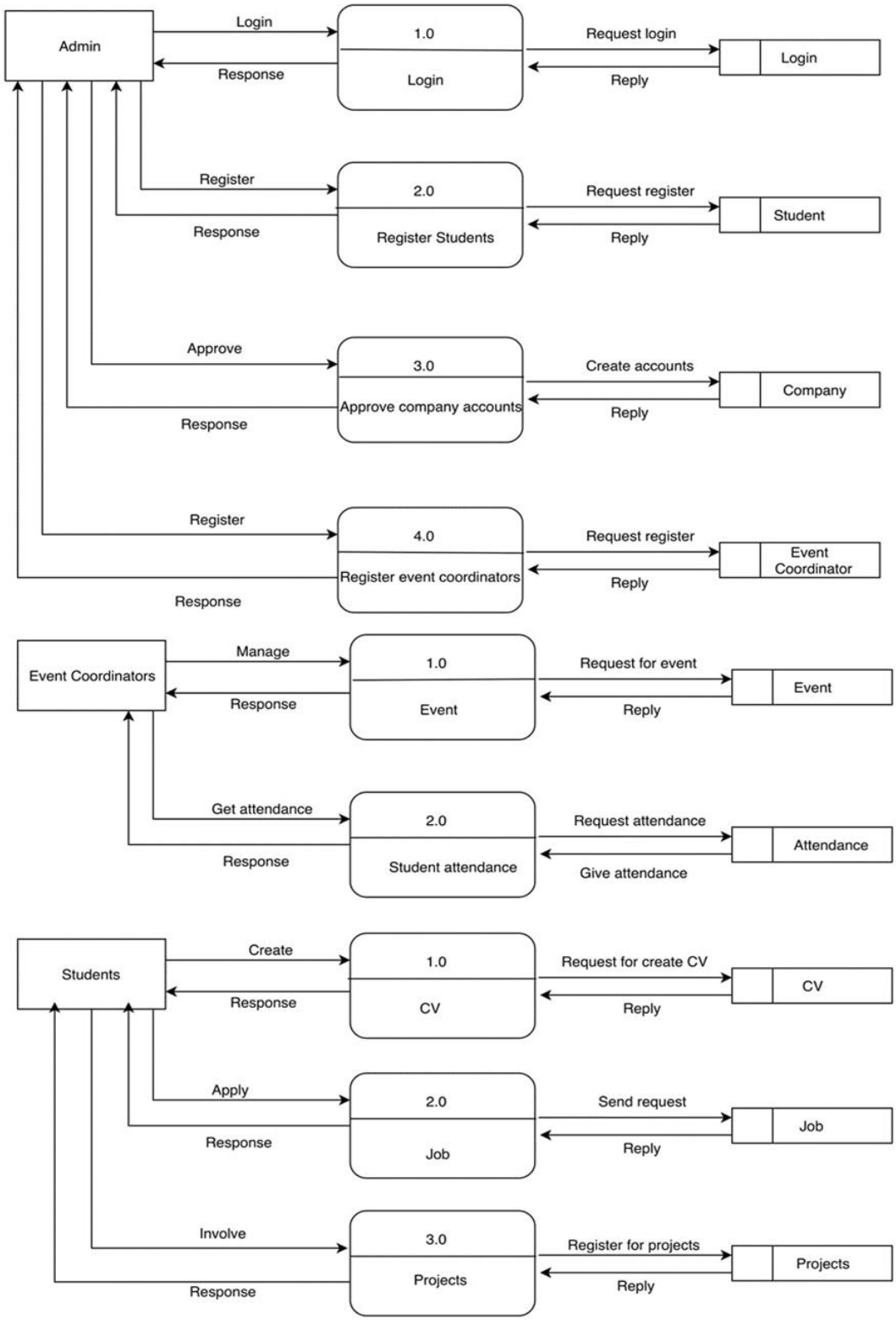
User Level	User Role
Admin	• Can check each student details. • Remove faulty accounts. • Rank students.
Student	• Student can create accounts. • View company details. • View job vacancies. • Messaging system with other student.
Company	• Company can create their accounts. • View student's details. • Download student CV's. • Send Emails. • Companies can request students to engage with projects. • Companies can search students who interested in relevant project.
Event Coordinators	• Event Coordinates can create profile for their society. • They can handle workshops with industry. • Find sponsorship from industry. • Publish notifications. • To get attendance confirmation from student .

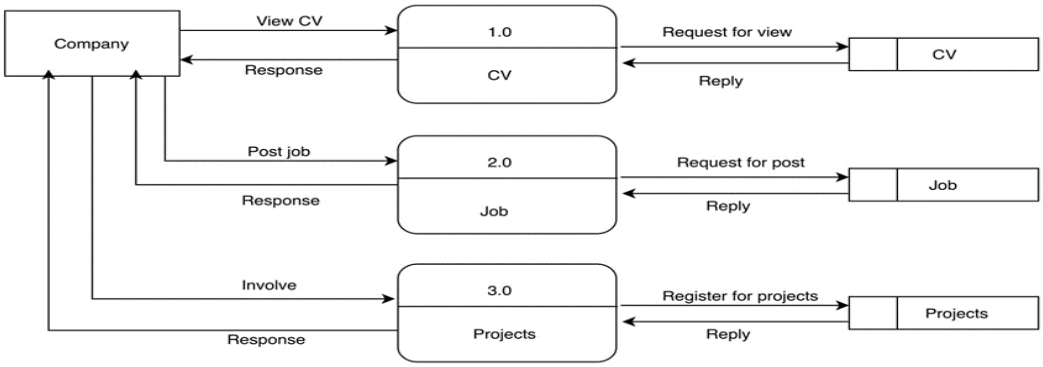
4. System design diagram

ER Diagram

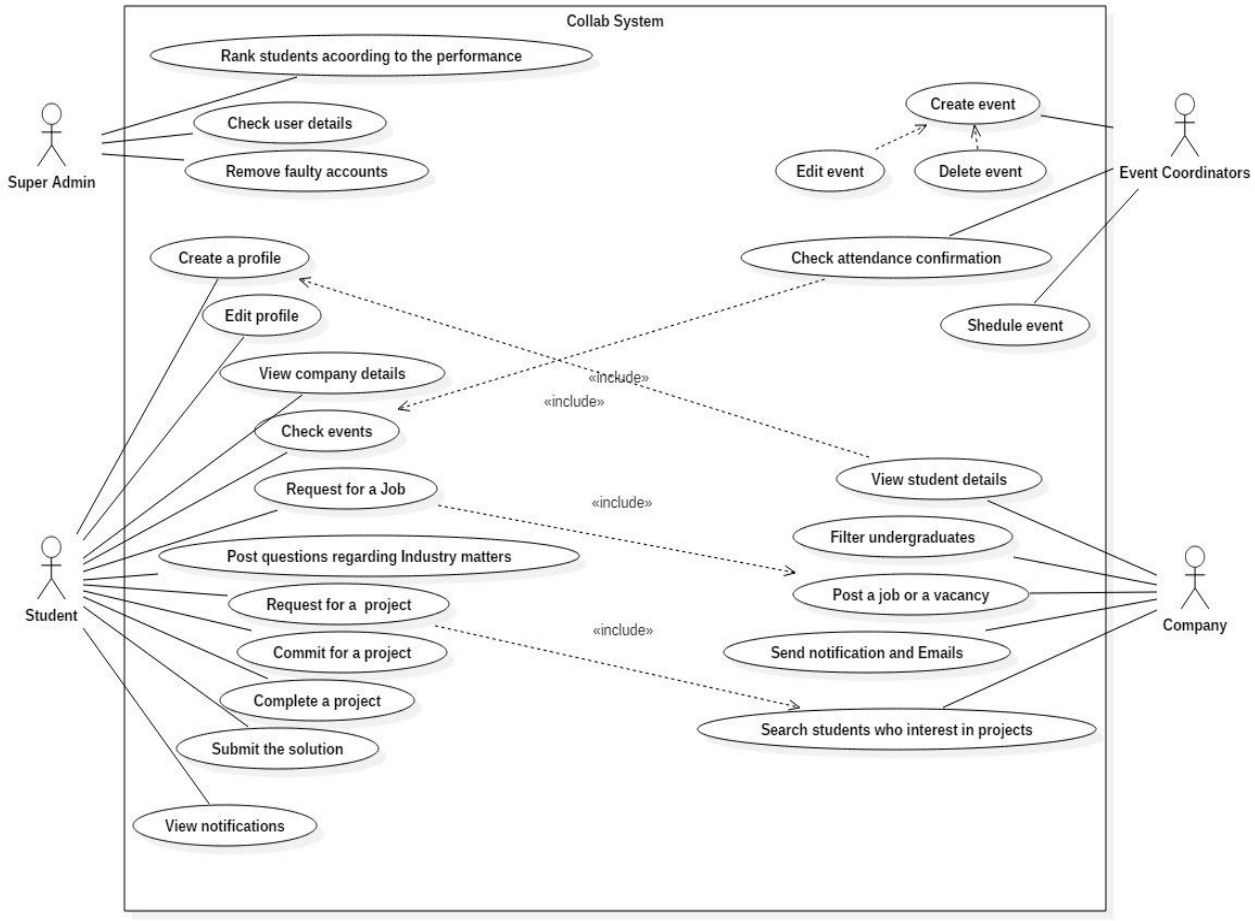


Data Flow Diagram (DFD)

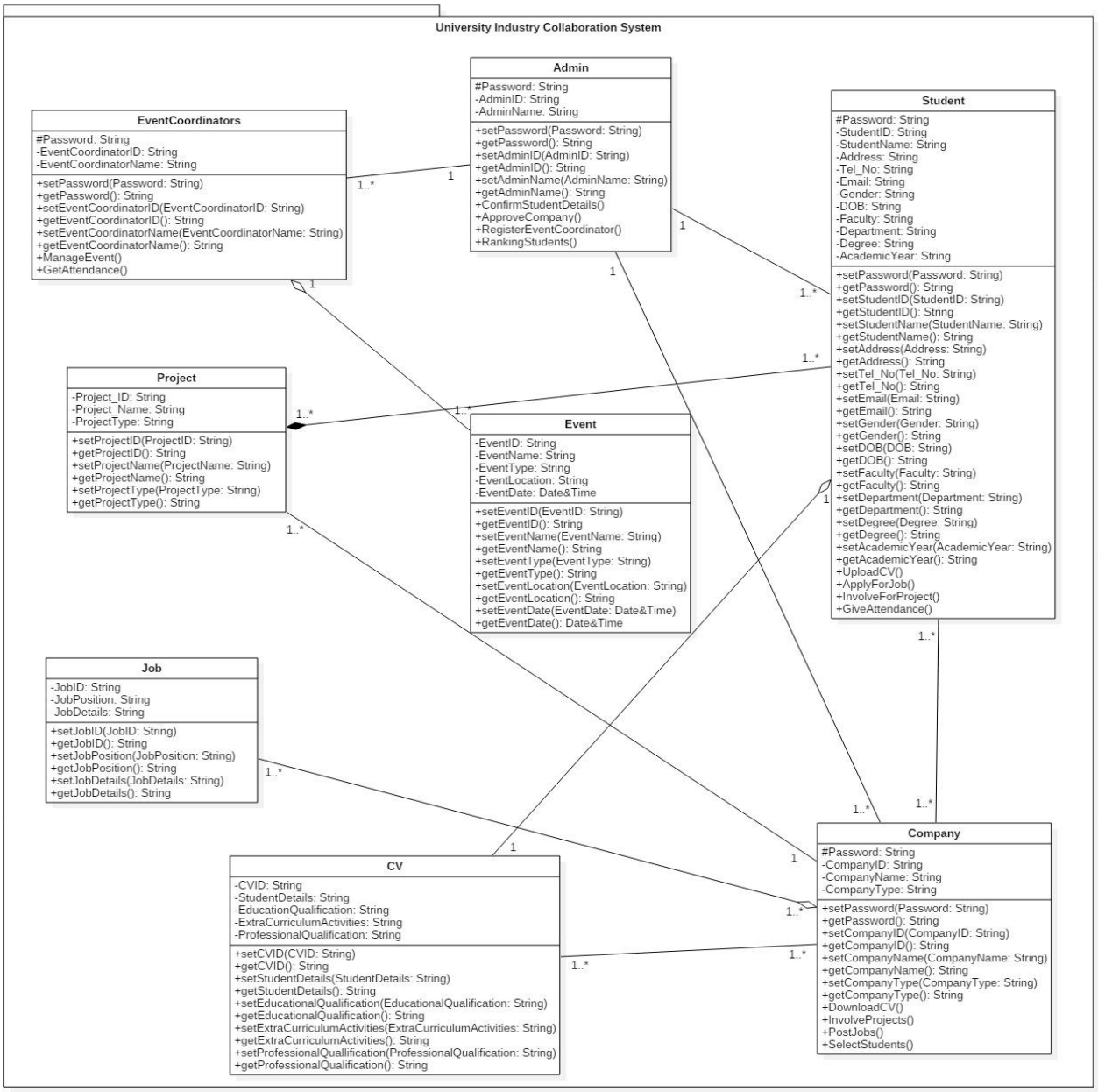



Company
View CV
Response
1.0
CV
Request for view
Reply
CV
Post job
Response
2.0
Job
Request for post
Reply
Job
Involve
Response
3.0
Projects
Register for projects
Reply
Projects

Use Case Diagram



Class diagram



5. Description of the functionalities completed

"UWU COLLAB" is a Web Application proposed to give solutions for Undergraduates of Uva Wellassa University to expand the University and Industry Collaboration. So by now we have implemented this web application system and the following functionalities are completed up to now in our system.

User Level	Functional Requirements	Functionalities
Student	Placement	• Create a profile • Edit a profile • View company details and vacancies. • Request /bid for a job • Upload CV's
	Project	• Request/bid for a project • Commit for a project • Upload project reports
Company	Placement	• Create a profile • View student details • Post a job or a vacancy • Download CV's
	Project	• Companies can search students who interested in relevant project. • View students who like to engage with projects • Download Project reports
Event Coordinators	Event Management	• Create profile • Create event • Initiate discussion • Edit event

		• Delete event • Schedule event • Check attendance confirmation • Image uploader
Admin	Controlling of the system	• Admin can check each student details and can remove faulty accounts.

6. Functions to be implemented in future

User Level	Functional Requirements	Functionalities
Student	Messaging Function	• Undergraduates can post their questions regarding industry related matters and get answered them by other students.
Company	Placement	• Send Emails
	Project	• Companies can request students to engage with projects • Companies can contact students via E-mails.
Event Coordinators	Event Management	• Publish notification
Admin	Controlling of the system	• Admin can rank students according to their performance.