PLACEMENT MANAGEMENT SYSTEM

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Abstract : The increasing advantages of automated systems now are at the highest position as a result many manual processes are automated. Since the automated system is in demand nowadays, educational infrastructures like colleges are making their manual or semi-automated system to function completely on a computer. One such system that concerns a college is the placement system's automation. The project aims at developing a web application for the placement cell.

Placement Management System provides two distinct modules for students and placement officers. It enables students to register online and upload their academic and personal details. They will have their portals to update information as necessary and can view recent and upcoming job postings on their dashboard. Whereas, the Placement Officers will be able to utilize it to manage the student data as well as the hiring company's data concerning the available jobs.

The benefits of the system will be to provide enhanced facilities and assemble all the placement related tasks carried out on various platforms to a single application. This will give both the placement officer and students an accurate communication channel and reduces repetitious work that has to be carried out. Additionally, email alerts can be provided to students in case if any new activity takes place which ensures that no important announcement is missed.

IndexTerms **- Authorization, eligible, student, admin, placement, management system, file system, TPO, automation.**

I. INTRODUCTION

In today's date campus recruitment is common in all colleges yet the drive brings a lot of stress to students as well as placement officers. Various software and other sector companies are conducting campus selections for choosing merit candidates. When campus selections are conducted the students are to submit their details to the concerned placement officer to apply for the hiring process. This routine process is maintained manually, like gathering student details and shortlisting eligible students based on company criteria.

Traditionally, all important information is displayed on the notice board as a result many students are not able to get the information within the time limit. Moreover, students manually submit their details, thus there are chances of errors or students failing to update their information on time. Hence, there is a requirement to computerize the system to reduce the chances of error and provide more efficiency. The admin module plays an important role in our project. They provide validation of students' registration and updating of details. The admin will be able to see the students registered for any particular company and their status.

II. SURVEY OF EXISTING SYSTEMS

The first paper of this paper's is "Placement support system" [1]. Placement support focuses on the automation of the placement cell. Authorizing the resumes, communicating about the varied job openings to the scholar community, managing the company relationship for inviting them for the placements, creating the location metrics, monitoring the progress of the choice process and communicating with different users. This system is often used as an application by the college to manage the student information concerning placements. Also helps companies coming for campus recruitment to ascertain student details. Before coming for the campus, companies can get information about eligible students alongside interested students.

The second paper is "Online Training and Placement System" [2]. This system gives a very efficient way of placement for students. In this system, the student does their registration in a very simple manner and the placement officer can easily get the information of students. The system can thus easily access the eligible students. In this system, information regarding the campus is sent to the student automatically. In overall architecture, data is stored and then as per rules and condition data is obtained and processing is applied on it such as making the report and sending mail to the student. The developed System can guarantee to keep the records safe and private which is stored in the database. It converts unstructured data into structured data and sorted format. All these are contributing to the control of the system. The TPO is the main admin of the system. Other important users of the training and placement system are student, company, and forum for which the system designed.

In the existing Placement system, maximum work goes manually and is an error-prone system, takes time for any changes in the system. This big problem is the searching; sorting and updating of the student data and no any notification method available for giving information to the student except the notice board. The proposed system gets automated in the online registration all the user, activation of the user and deactivation of the user, personalization to the user, resources to be provided online, communication between the users, and gives online feedback. The admin can see the user information and will validate it, generate the student list based on company criteria; company details can be provided to the user, searching and sorting can be done, and reports to be generated. Alumni data to be maintained. Overall, all the process of the training and placement department is automated.

III. PROBLEM DEFINITION AND OBJECTIVE

Placement Cell plays a very vital role in every college as one of the reasons any student selects or aims for a college is because of their placement record.

An efficient placement cell requires an appropriate and advanced management system. The challenges encountered by the current system are that the student's data is stored using some applications and the placement officer sorts them manually so, filtering students as per eligibility criteria is a difficult task as there will be lots of students in the organization.

Objective:

- The main objective of Placement Management System is to manage the details of Student and Placement Cell.

- It manages all the information about CGPA Mark, Placement Cell.
- The purpose of the project is to build a web-page to reduce the manual work for managing Academic information and CGPA Mark.
- Editing, adding and updating records is improved which results in proper management of data.
- One can also export PDF of Resume.
- Tracks information of Student details and Placements.

IV. PROPOSED SYSTEM

The proposed system consists of two major modules namely Student and Admin; each module has a different set of tasks to be done. It is more efficient and cost-effective. The system can overcome all the limitation of the existing system, for example, student's data is maintaining in the database, it gives more security to information, guarantees information accuracy, decreases paperwork and save time, only eligible students get chance, it makes data to flow efficiently and paves way for simple report generation, reduce the space.

The Placement Management System is developed as an effort to form a record of company and students by restricting such an outsized database thereto to a specific class of students or company. The application assists the placement officer to maintain the student data and sort them according to the percentage criteria required for the company and student can review his/her data overcoming the drawbacks of the existing system.

The admin is the master user in our project; he gets the most number of priorities. It facilitates the placement officer to review the complete data, sort the data according to the percentages, and delete unnecessary data.

The proposed system helps us achieve the following:

- All the notices are provided on a single platform; this overcomes the issue of missing important information.
- The system can be linked to the exam cell to validate the academic details updated by the students.
- Sorting and searching for information as per requirement is much easier.
- Functionalities such as automatic percentage and CGPA calculator can help students eliminate errors.

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V. IMPLEMENTATION

The term implementation has different meanings starting from the conversation of a basic application to a complete replacement of a computing system. The procedures however are virtually an equivalent. Implementation includes all those activities that happen to convert from old systems to new. The new system could also be totally new replacing an existing manual or automated system or it's going to be a serious modification to an existing system. the tactic of implementation and duration to be adopted is acknowledged initially. Neat the system is tested properly and at an equivalent time, the users are trained within the new procedure. Proper implementation is important to supply a reliable system to satisfy organization requirements.

5.1 Student Module:

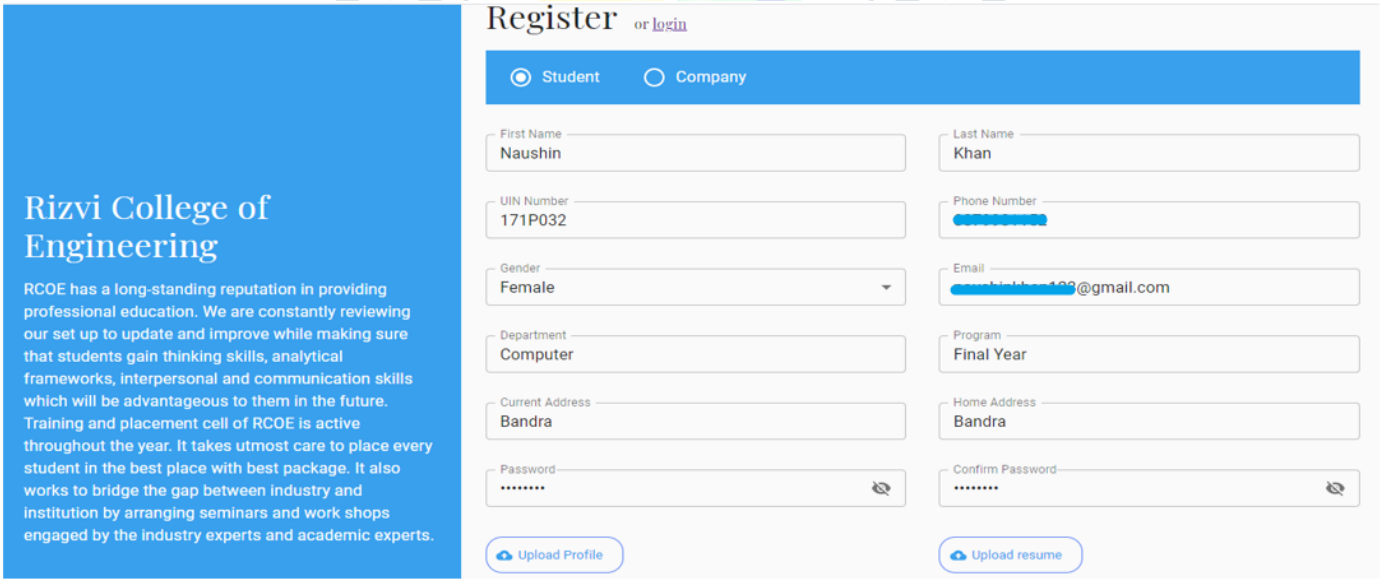

Figure 1 Student Registration

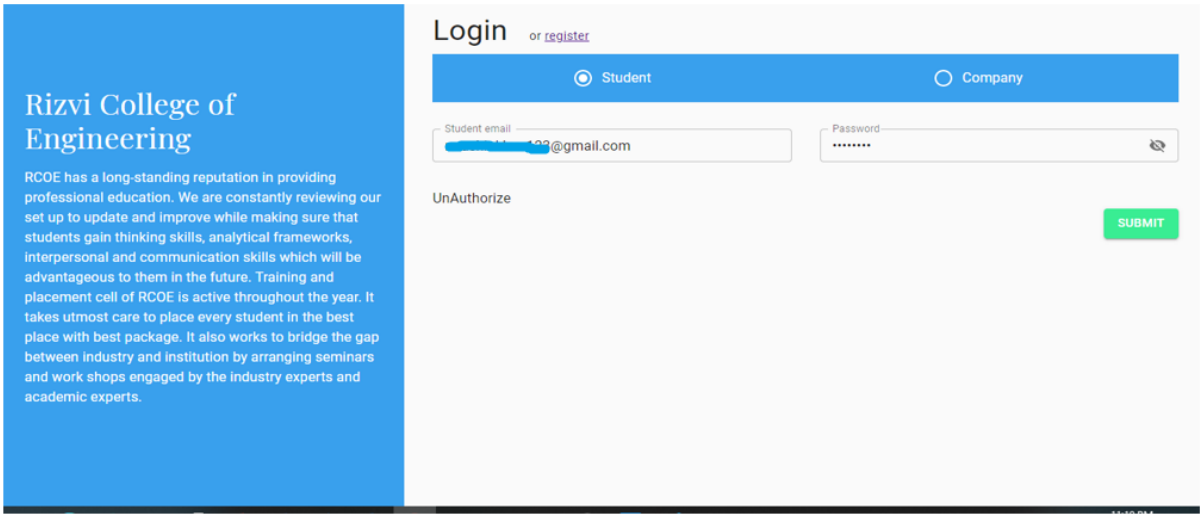

Figure 1: Student Login

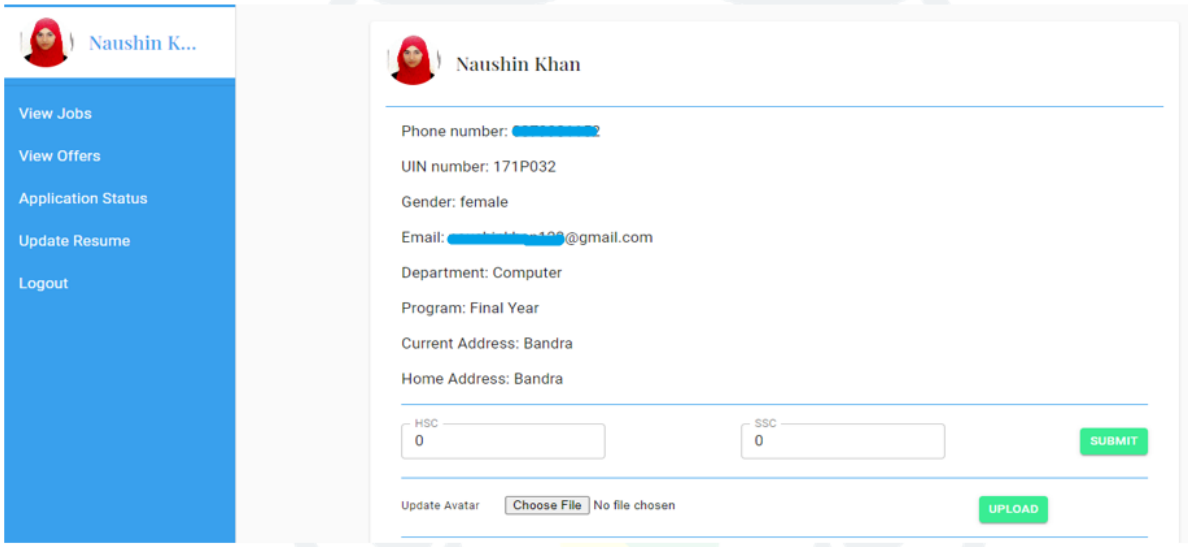

Figure 3: Student Dashboard

5.2 Admin Module:

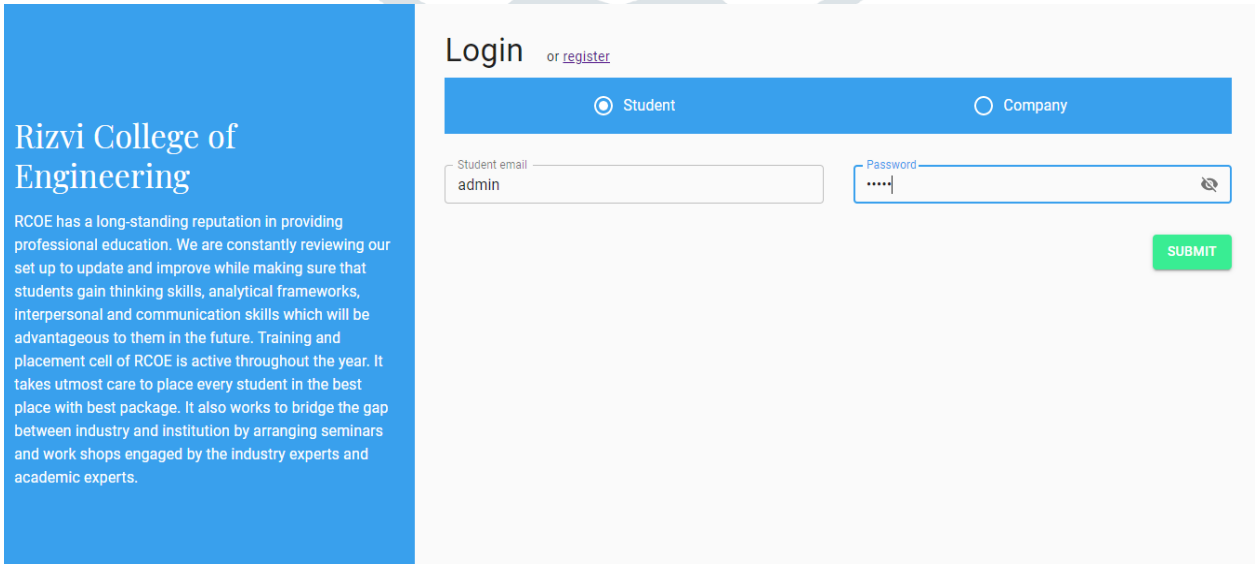

Figure 4: Admin Login

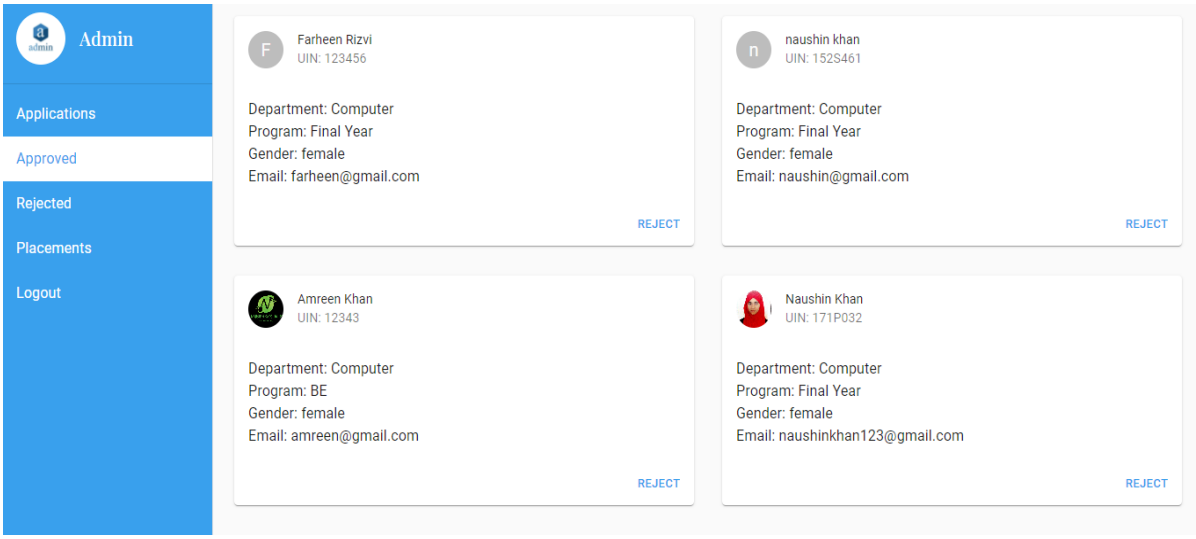

Figure 5: Admin Dashboard

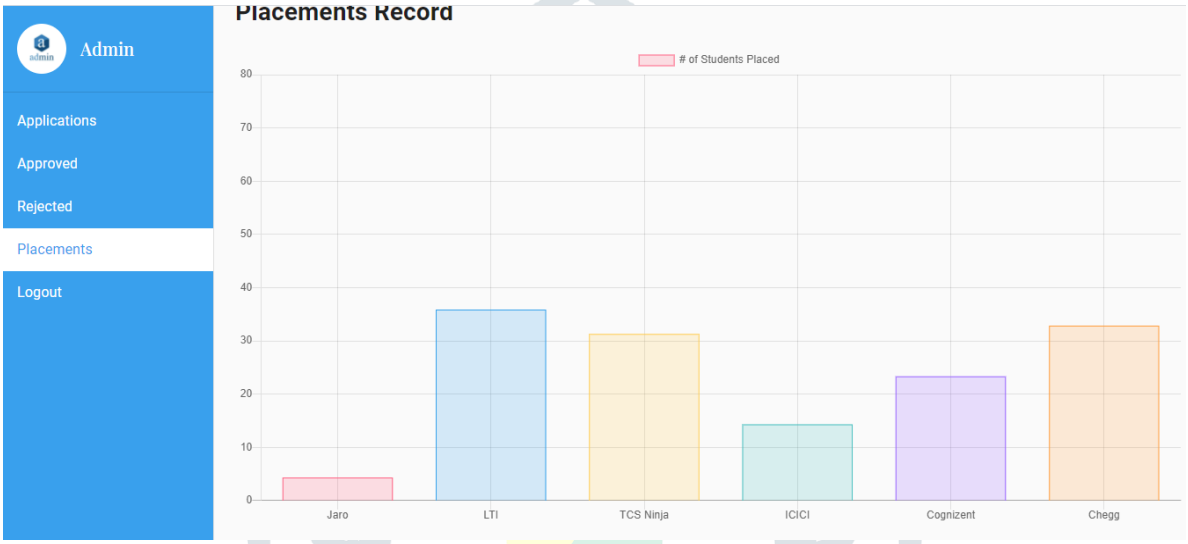

Figure 6: Admin Operations

5.3 Company Module:

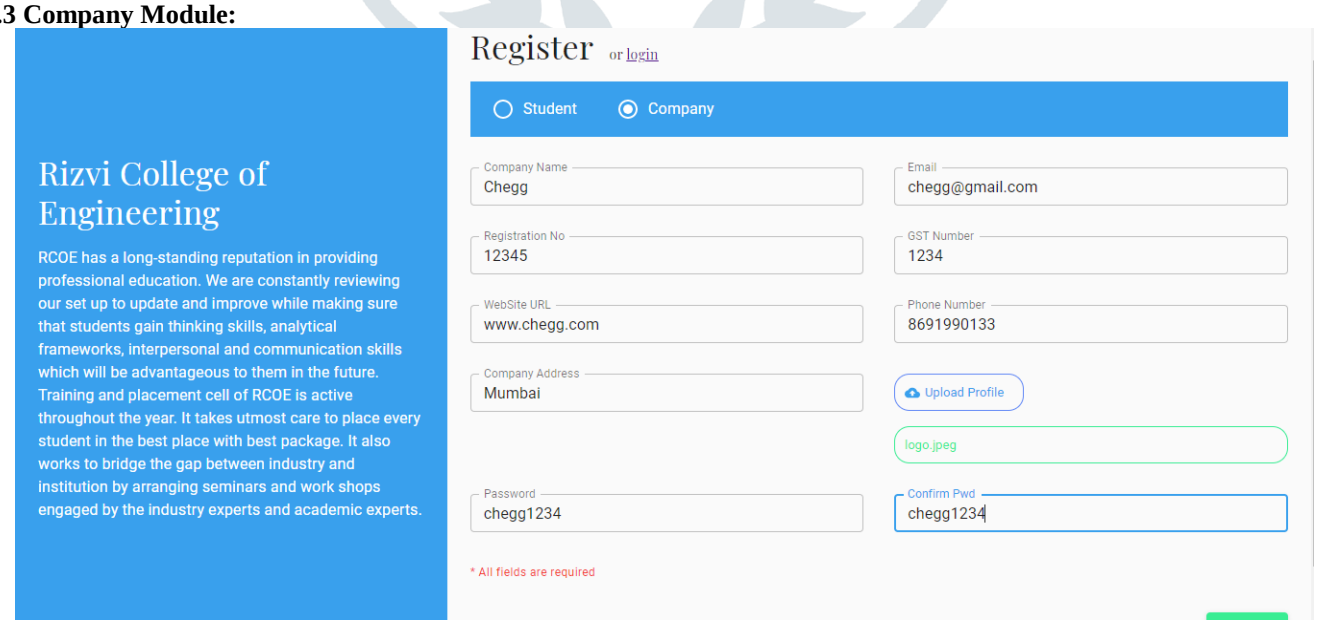

Figure 7: Company Registration

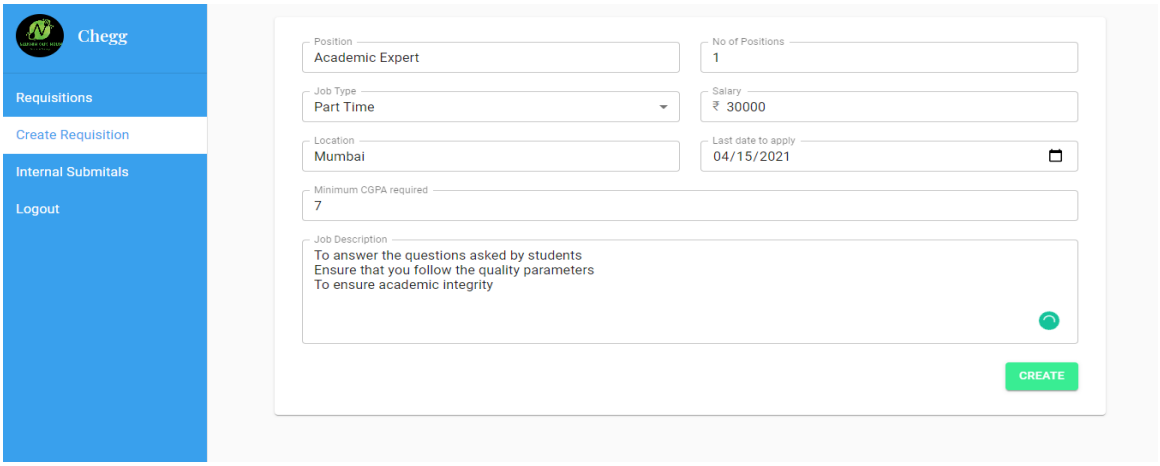

Figure 8: Job Profile

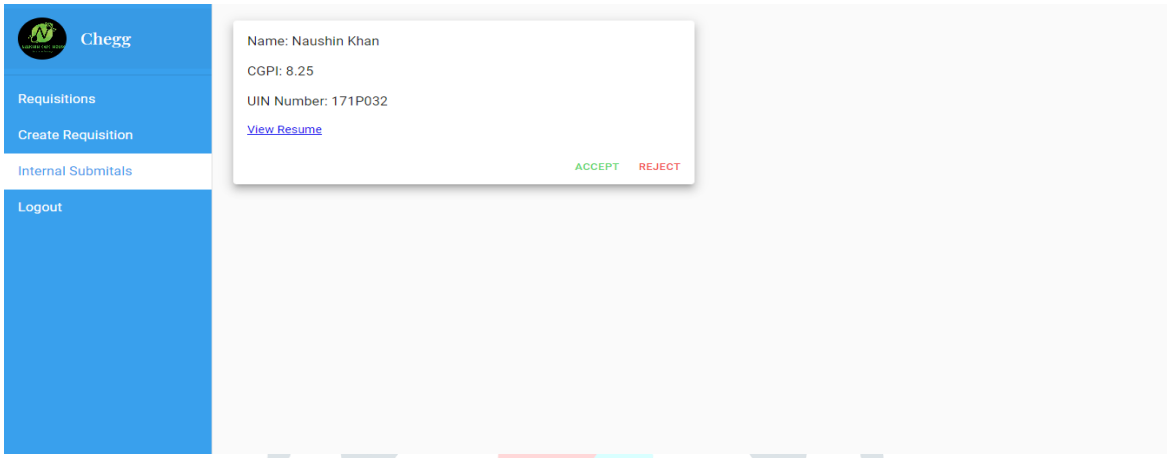

Figure 9: Internal Submittals

5.4 Data Flow Diagram

A data flow diagram (DFD) is a graphical tool used to describe and analyze the movement of data through a system by depicting the flow of data, source or destination of data and the process that respond to change in data.

The DFD is one of the foremost tools employed by the system analysis to model system components, that are:

- System Process
- Data Store
- The information flow in the system
- Any external entities that interact with the system.

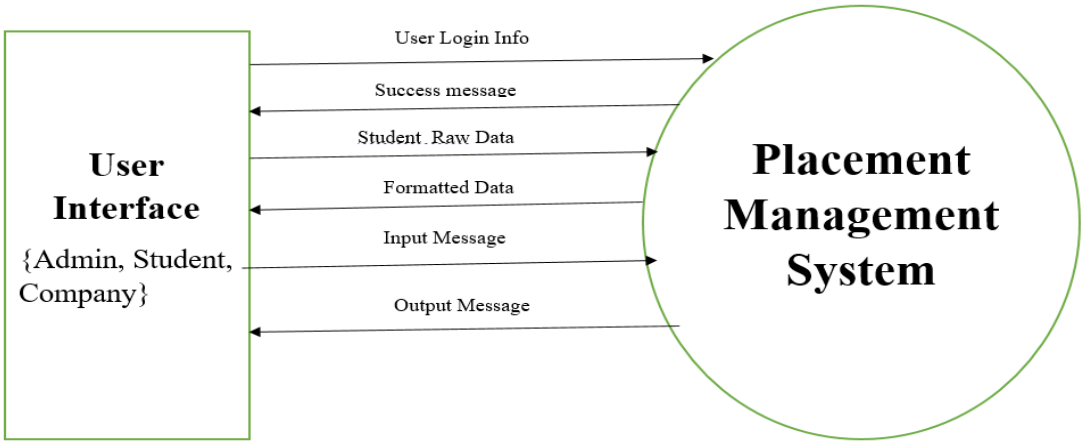

Figure 10: Context Level Data Flow Diagram

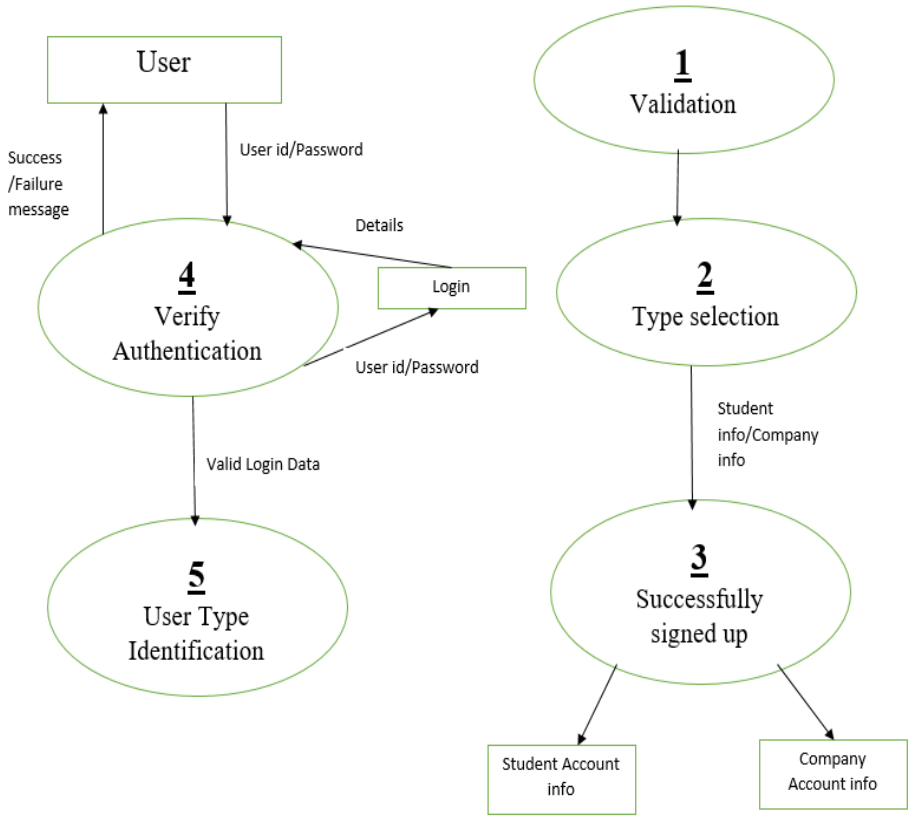

Figure 11: First Level Data Flow Diagram

VI. FUTURE SCOPE

In the future, we add different features like a direct messaging chat between the company and the student. Which provides a convenient way of interaction between students and industry. We also create an app which is a TPO app, is used to store information and maintain the placement procedures of a particular area or state in a particular stream. We can give more advanced software for placement management system including more facilities. We can modify the project with a far better approach with more graphics. The backup procedure can be comprised to make sure of the database integrity. Also, we can add a page for admin to show total number of students in a particular department and out of them how many have been placed. We can also add data of past recruiters along with HR's contact details and if they have any vacancies.

REFERENCES

[1] Prof. Rupali Komatwar 1, Swapnil Kamble 2, Mihir Khedekar 3, Kishor Walzade, "Placement Support System", International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 1, January 2016.
[2] Suraj Trimukhe, Anil Todmal, Kanchan Pote, Monali Gite, Asst. Prof. S.S. Pophale, "Online Training and Placement System", International Journal of Advanced Research in Computer Science and Software Engineering. Volume 7, Issue 4, April 2017.
[3] Nilesh Rathod, Seema Shah, Kavita Shirsat, "An Interactive Online Training & Placement System", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 12, December-2013.
[4] S. R. Bharamagoudar, Geeta R. B., S. G. Totad, "Web Based Student Information Management System", International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 6, June 2013.
[5] K. G. Patel 1, C. K. Patil 2, 1 Assistant Professor Mechanical Department BVCOE & RI, Nashik 2 Principal BVCOE & RI, Nashik, (India), "Study Of Implementation Of Online Placement System", International Conference on Emerging Trends in Engineering and Management Research.
[6] Mr. R. J. Laird, Dr. C. R. Turner Mima," Interactive Web based Placement Management – Principles and Practice using OPUS" CGU-WACE, 2008.
[7] http://www.javaworld.com/javaworld/jw-01-1998/jw-01-Credentialreview.html
[8] http://www.jdbc-tutorial.com/
[9] https://www.tutorialspoint.com
[10] http://www.tutorialspoint.com/mysql/
[11] https://www.javapoint.com
[12] https://www.w3schools.com/