

An Inter-Linked Platform For Campus Placement In Higher Educational Institutions

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Abstract- *The management and training of placements are essential aspects of educational institutions that are currently being done manually, requiring significant time and manpower. This project proposes the development of a web portal to streamline the process by creating an application for the placement department of the college. The proposed system can be used by placement officers to manage student information about placements, reducing the amount of manual work and paperwork required. Additionally, the system allows for the viewing of personal and academic information of students, and provides a requested list of candidates for companies who wish to recruit based on their eligibility criteria. The Laravel framework will be used to facilitate the development of this program.*

Keywords- Campus placement, Students, Admin, Tutor, HOD, companies, Laravel, Web application.

I. INTRODUCTION

The manual training and placement process at colleges is prone to errors due to human intervention, particularly in searching and updating student data. Placement officers must manage student profiles, collect information from recruiting companies, and arrange student profiles based on different streams and company requirements. This process becomes increasingly difficult and tedious as the number of users increases, leading to potential data loss. An automated Placement Management System can reduce the workload for staff and faculty and prevent human error. An Inter-Linked Platform for Campus Placement in Higher Educational Institutions like many other placement management web sites, provides information on placement providers and the placements and also keeps up to date information of all students. It is a platform where students can view and assess their opportunities. The system will be having different types of accounts for different types of users such as Admin, Student, HODs, Company and Tutor. A profile for each student is created with the necessary credentials for the portal. The system uses MySQL for database management and will sort the data of the student based on eligibility criteria demanded by the respective companies and a list of eligible candidates will be prepared and they can choose if they are

interested to attend that particular drive or test. This way it reduces the work of college staff or faculty from the problems caused by human error and wastage of time doing all processes manually.

II. PURPOSE

The Placement Management System is an effective tool for colleges to manage student information with regard to placements. The system provides a range of features and benefits, such as maintaining accurate and up-to-date student records, reducing manual work, and saving time and energy. With this system, colleges can easily manage and update student information such as personal details, academic records, and placement-related data. This will help streamline the process of collecting and maintaining student data, thereby making it easier for staff to keep track of student progress and placement activities. Moreover, Placement Management System provides easy access to data, allowing authorized users to view and update student records from anywhere within the college network. This eliminates the need for manual data collection and makes it easier to generate reports and analyze placement data.

III. EXISTING SYSTEM

In colleges the records were stored in excel sheets hence sorting the data is always a problem. The excel sheets are also less advanced. Hence sorting and searching problems arises. Updating Records is another tedious task. Due to the above problems the updating was very difficult and ambiguous. Data redundancy also occurs due to the duplication of files and records. The files were not stored in a hierarchical format, hence searching the eligible students was the greatest problem. The placement officer has to find out the eligible students by looking at the excel sheet. He/she has to see the marks of every student and their eligibility. Another problem students face is that they are not made aware of the Training and Placement activity held in their institutions, hence there might have been a loss of opportunities. There is also a large communication gap between students and the placement officers as it is difficult to maintain coordination between them. The existing system is also inefficient as it

could not take acknowledgment from the students attending a particular drive. Hence lots of confusion at the last moment also arises. As all this is done manually, there is a lot of workload on the placement officer. The existing method used for placement management is not computerized. All the records are maintained manually. The departments or the management carry out this job manually making it more complicated and tedious most of the time. The best solution here is to computerize the current environment.

IV. PROPOSED SYSTEM

The objective is to develop and implement an efficient web-based placement management system to simplify the process of collecting data from students and improve the quality of placements for the benefit of both students and colleges. The current manual system requires a significant amount of time and manpower. The proposed online application can be accessed from anywhere using proper login credentials, allowing placement officers, HODs, faculty coordinators, and students to manage student information related to placements. The application is built using the Laravel framework with the Model-View-Controller (MVC) pattern. Different types of user accounts, including HOD or department placement coordinators, placement officers, tutors, companies and students, will be created. Each student will have a profile with necessary credentials, and the system will use MySQL for database management. The system will sort student data based on eligibility criteria specified by companies, and the candidates will receive a link via email to indicate their interest in attending the particular drive or test.

The system comprises five distinct modules, namely the Admin module, HOD module, Tutor module, Company, and Student module. Each module has its own designated login page, which includes a login ID and password field. Users must enter their respective login credentials in order to access the system.

ADMIN MODULE: The placement officer is a key user of the system and has administrative privileges. This user plays a critical role in managing the placement activities using the system. The placement officer can access the system by logging in with a unique username and password. Once logged in, the placement officer can perform various tasks, such as adding new departments, creating new batches, and managing placement drives. Additionally, the placement officer can oversee the training programs conducted by the college and analyze the placement activities of each student. The system empowers the placement officer to efficiently manage the

placement process and improve the overall effectiveness of the college's placement program.

HOD MODULE: The administrator grants access to the Head of Department (HOD) by providing a unique username and password. Once logged in, the HOD can create student accounts by entering the details of each student in a batch. The HOD can also view the placement status of each student, as well as the list of active placement drives and registered students.

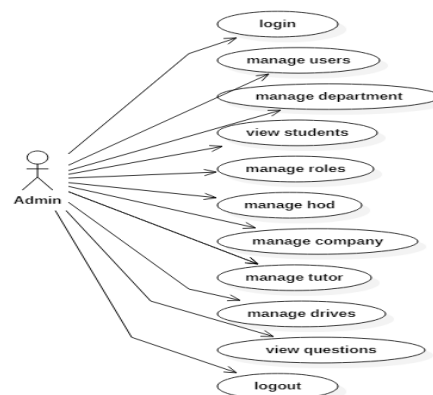
TUTOR MODULE: The placement activities of each batch are managed by a designated tutor, who can access the system through a unique username and password. Upon logging in, the tutor is directed to the dashboard, where they can view the upcoming placement drives. Additionally, the tutor has the ability to view details of students registered for ongoing placement drives and create demo exams within the system.

COMPANY MODULE: Each company will have a unique user ID and password to access the system. Once logged in, companies can create a new placement drive by providing essential information such as the job description, eligibility criteria, and other relevant details. Companies can also view the details of students who have registered for the drive, such as their academic performance, resume, and other relevant information.

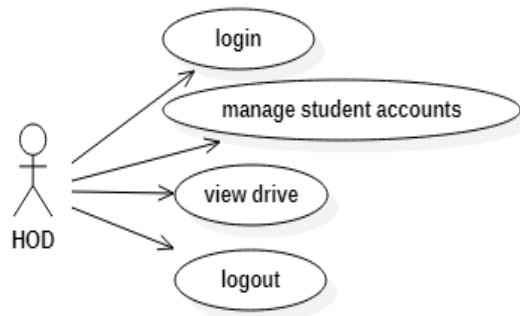
STUDENT MODULE: Each student is provided with a unique username and password to access the system. They can fill in their personal and academic details, such as their 10th-grade scores, and can also register for upcoming job drives if interested. Students can also take part in online aptitude tests conducted on the platform. Using this information, the system predicts the probability of a student's placement based on their aptitude test scores and other criteria.

V. USE CASE DIAGRAMS

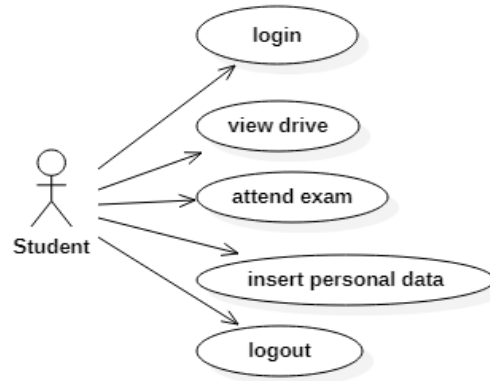
A. Admin



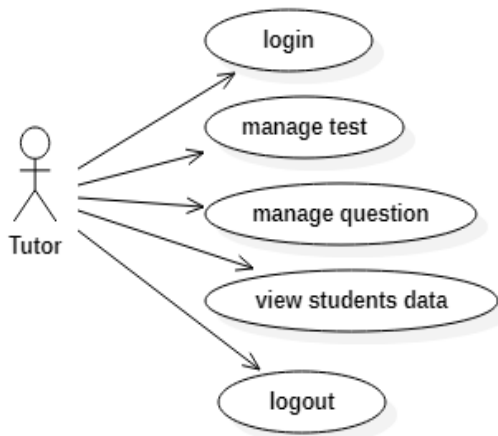
B. HOD



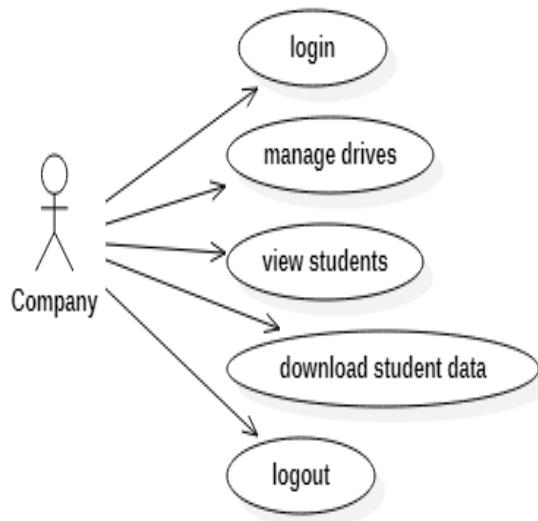
E. Students



C. Tutor

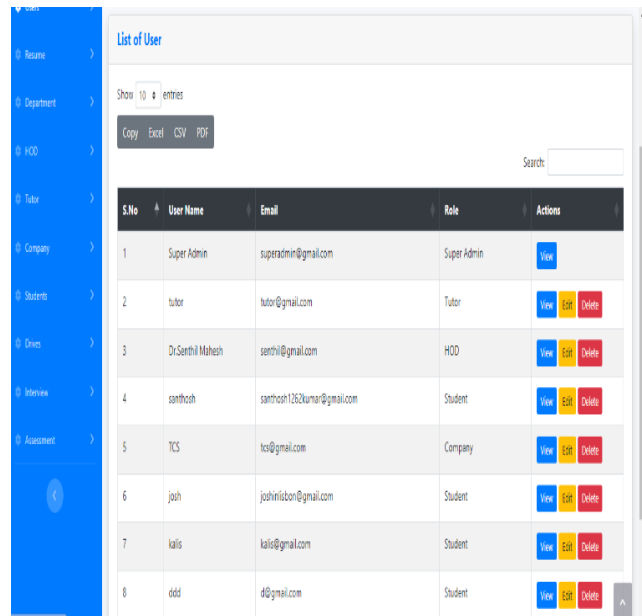


D. Company

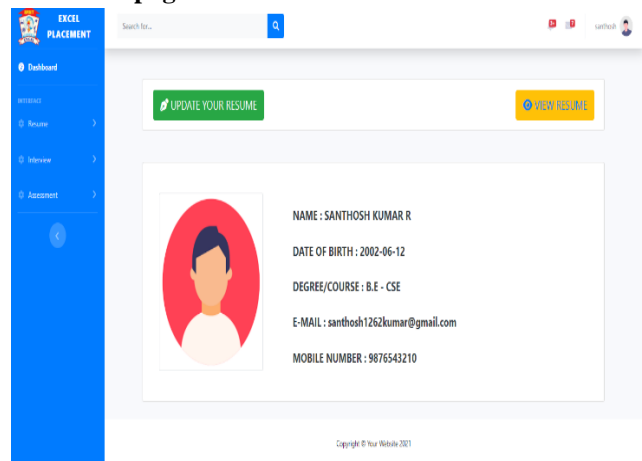


VI. RESULTS

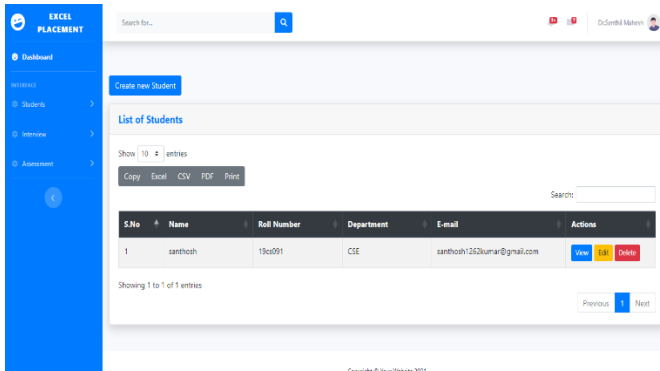
A. Admin page



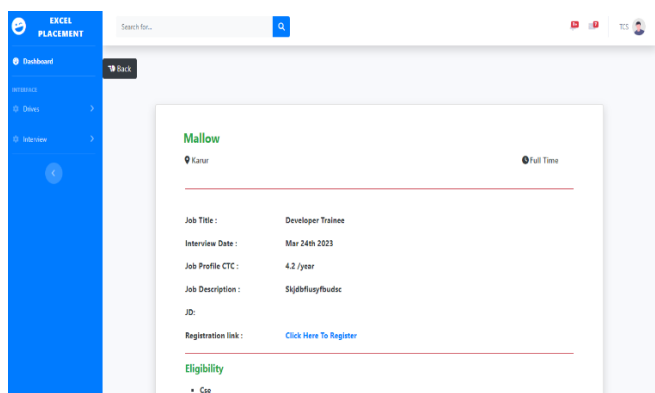
B. Student page



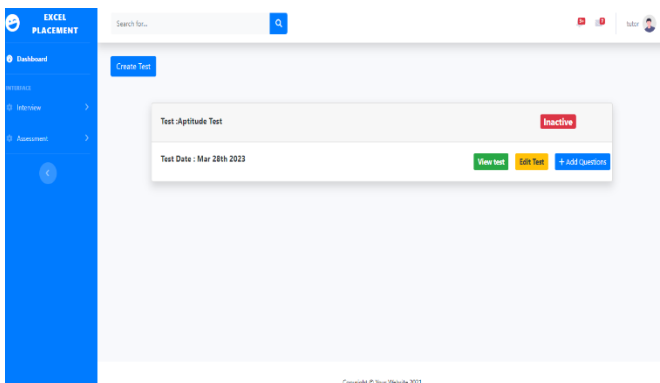
C. HOD page



D. Company page



E. Tutor page



placements, add new users, notify students, and maintain student privacy. Additionally, the system will allow the administrator to validate the information and generate a student list based on specific criteria, making management much easier.

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VII. CONCLUSION

The current placement system heavily relies on manual work, leading to delays in implementing changes. One of the major issues is searching for and sorting through student data, which can be time-consuming. Updating student information is also a cumbersome task, and there is no efficient method of notifying students promptly. As a result, managing placements becomes challenging. However, the proposed system aims to automate all of these processes. It will streamline the registration of students for upcoming