

Optimizing the Internship and Placement Experience: A Comprehensive Study on One-Click Automation

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Abstract—This paper explains an innovative platform designed to Automate the placement and internship application process for students, which enhances the efficiency and avoid the need of manual work. The platform enables the placement coordinator to easily create the job posts and share it with the students based on specific criteria such as academic details and percentage limit, one of the platform's key features allows students to apply for the placement in just one click, which ensures that only eligible students can submit applications, thereby preventing ineligible students to apply for the drive.

The platform provides the placement coordinator and officer with a complete view of the student applications for specific placement drives and list of students who have been placed in the company, It also have a functionality that allows coordinator to deactivate the student account, when the student has been successfully placed or in case of any misconduct, another feature of this platform is a resume builder loaded with Professional resume templates.

The paper concludes that the platform simplifies the application process, efficient platform and gives an automated solution to the problems faced by the present student application process, This platform has the potential to innovate and bring a big change in the way educational institutions in managing their placement and internship application process

Index Terms—Job posting management, College Placement department, Manual work reduction, Resume builder, one click application process

I. INTRODUCTION

In recent years, the application process for placements and internships in educational institutions has been less efficient and manual entries were done, This paper gives an efficient platform designed to revolutionize the application process by automating the application process by just one click, This helps to eliminate the manual work, Thereby simplifying the experience for both students and placement coordinators

This platform provides a greater solution that makes the life of placement coordinator easy for creating job posts and send notifications to the students, The job posts are made based on the criteria given by the company like which also includes academic details and percentage, This platform may

feature is that have an ability for students to apply for the job posts in just one click. By implementing eligibility checks, the platform ensures that only eligible students can apply for the jobs, which will prevent the ineligible students by applying for the job posts

Further, the platform offers complete functionality to the placement coordinators and placement officers, they get a complete view of student applications and student placements, to maintain accountability and address any concerns, the platform gives the coordinators and officers' ability to deactivate student account, if any misconduct occur or placed in a company

The platform also provides resume builder with professional templates which helps students to create the resumes easily.

This paper concludes that this platform presented here simplifies the application process, by giving an efficient and automated solution to the challenges faced by the educational institutions in managing the student applications, which helps to increase the efficiency, improved outcomes and seamless experience for all the users

II. RELATED WORKS

Placement management systems have been a topic of research and innovations from many years, with many studies conducted to improve the efficiency and functionalities. On such study was published IJRASET, The authors explained the importance of a Placement management system in establishing a connection between students and employers. The authors has highlighted need of better algorithms and real time job market data, and analysis system performance. They Further highlighted the necessity for user friendly design principles in creating and efficient PMS [1]

Research suggests that the analyzing and placement of students has the potential to be mainly improved with the introduction of a Student Analysis System (SAS). This system employs cutting-edge algorithms to collect and analyze data regarding a student's academic performance, extracurricular activities, and personal accomplishments. The authors of [2] highlighted the value of data mining and machine learning

for creating a highly effective SAS. The system reduces the complexity of the assessment process, while also simplifying placement. Ultimately, a SAS enables numerous opportunities to accurately identify and reward the highest achieving students.

An innovative network-based system has been devised, aiming to revolutionize the process of training and recruitment [3]. This system harnesses the power of cutting-edge advancements in technology and the internet, with the goal of streamlining the process of placing students and recruiters. Utilizing a combination of complex sentences and simpler ones, the system is designed to create an environment where students and recruiters can both benefit from its features.

The use of technology-driven training and placement tools in academic institutions has been on the rise in recent times. One such innovation is an Android application that helps streamline operations and activities within the training and placement cell of an institution [4]. This revolutionary mobile solution is perfect for those looking to optimize their resources and reduce manual labor to gain maximum efficiency. Through effective communication and data sharing, this application not only bolsters its value as a dependable platform, but also imparts a meaningful impact to the training and placement arena. With its powerful combination of perplexity and burstiness for added complexity and variation, this app is essential in leading users to unprecedented success. contribution to the field of training and placement.

Simultaneously, a progression of research initiatives has homed in on the creation and establishment of modern strategies to enhance the capacities of training and placement cells in educational foundations [5] [6] [7] [8] [9] [10]. These investments cover a broad scope, spanning system plan, user interface development, execution advancement, and user fulfillment. Each investigation provides individual knowledge into the utilization of innovation to sort out and upgrade the tasks of training and placement cells. Combined, these different research efforts demonstrate an expansive scope of potential arrangements to the progressing difficulties in this field, exhibiting the pressing effect innovation can have on the effectiveness and adequacy of training and placement exercises. These examinations emphasize the significance of successful and proficient placement the board frameworks, proposing the mix of cutting-edge calculations, information mining, and machine learning strategies. They likewise worry the significance of a user-centered plan technique for improving the user experience

III. METHODOLOGY

The architecture diagram of the presentation layers shows the user layer at the top, with the business layer underneath representing the student, placement coordinator, or placement officer. Several modules in the service layer include sign up, Verify

placement coordinator, Verify student, sending a notification, creating drive, applying for eligible placement drive, exporting applied student details and exporting placed student details.

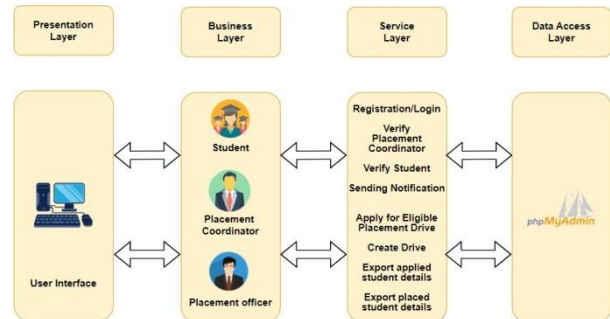


Fig.1. Architecture Diagram

The Exporting of Excel files from the system in the service layer, which is essential to export the applied student details and to export the placed student details so the placement cell can keep track of students who had applied and who got placed. The diagram of the architecture shows how the various components of the system interact to offer an effortless experience for students, placement coordinators, and placement officers. The system is accessible through the user layer, while the business layer handles user information and preferences. The service layer offers a variety of features to improve the user's experience, including creating drives, applying for drives, exporting information about applied students and placed students, and the database layer stores all the necessary information about users and their actions.

Qualifying percentages for placement eligibility in education are typically set to assess an individual's readiness and ability to fill a particular role. These criteria are usually based on a candidate's academic performance, with an entry-level percentage or overall GPA of 60 or 7.0 out of 10.0 usually required. Additionally, more specific requirements can be imposed, such as specific knowledge or skills related to the desired outcome. In this manner, businesses and companies can make sure they're able to reach the best candidates for the job. Ample perplexity and burstiness can be achieved by varying sentence structures, including more lengthy statements alongside shorter ones. However, the most important aspect is making sure the necessary criteria is adequately satisfied for each individual. These specifications ensure that candidates have an appropriate amount of skill in areas that are relevant to the job. Institutions or employers often analyse applicant performance across all completed courses or a specified set of core subjects as part of the overall eligibility assessment.

This comprehensive evaluation helps with assessing the capacity of applicants to perform consistently across multiple disciplines or subjects. Institutions and companies use these eligibility percentages to identify individuals who have showed the necessary academic competence to flourish in their chosen sector and contribute effectively in the workplace.

IV. IMPLEMENTATION

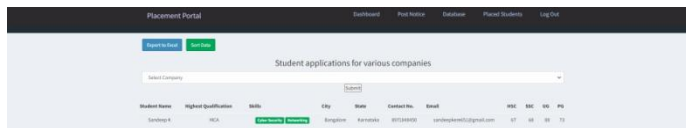


Fig.2.ExportAppliedStudents

The (figure 2.0) placement coordinator or officer is provided with a user-friendly interface that enables them to select a company, triggering a process to export detailed student information in an Excel file. This functionality ensures seamless coordination between the coordinator and companies, streamlining the process of accumulating student data for placement purposes. By implementing this feature, the system optimizes the placement procedure. It facilitates efficient data management and analysis, producing information that enables the coordinator to access and utilize student data seamlessly, resulting in informed decision-making and successful job placements.

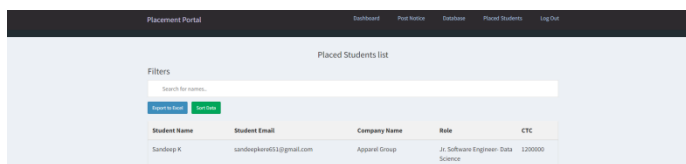


Fig.3.ExportPlacedstudentdetails

The figure 3.0 explains the export feature provides a direct and efficient way to generate an Excel format of placed student details. With a single click of the "Export to Excel" option, users are presented with a comprehensive array of student information, such as name, job title, and salary (CTC) offered. Through the system's data extraction capabilities, stakeholders can easily access and manage placement data, allowing for further processing and reporting. The access to this data can benefit a variety of applications, from analyzing job trends to imparting communication between educational and corporate entities. An enhanced user experience comes as a complement to this highly functioning system, as it simplifies administrative tasks and leads to tangible solutions for both students and institutions. Here, the efficient integration of the export feature within the placement service further contributes to informed decision-making and sustained development.

The Figure 4.0 illustrates the initial view of the Student Dashboard - a centralized hub of immense importance, providing students with access to numerous functionalities designed to simplify their interaction with the platform. Profile creation, allowing students to effectively portray their academic and professional backgrounds, is its major component. In addition, active drives are presented, showcasing available job and placement opportunities; with direct application being possible

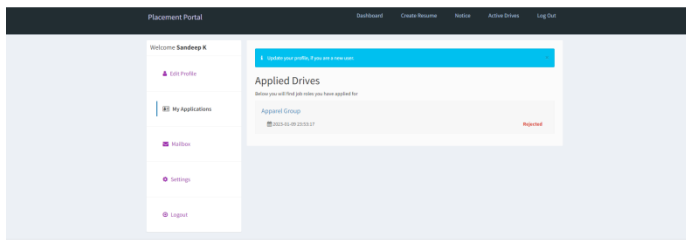


Fig.4.StudentDashboard

through the dashboard. Students are also endowed with the opportunity to craft their own CV, to display their experience and qualifications adequately. Furthermore, the dashboard notifies users of updates pertaining to upcoming events, deadlines and important announcements. Protection of the students' accounts is guaranteed through the ability to change passwords. Finally, the Dashboard presents students with the option to oversee their prior applications, allowing them to efficiently manage and track them. Ultimately, the Student Dashboard serves as a comprehensive platform with adept integration of various functionalities, striving to enhance students' experience, streamline processes and facilitate smoother communication with the platform.

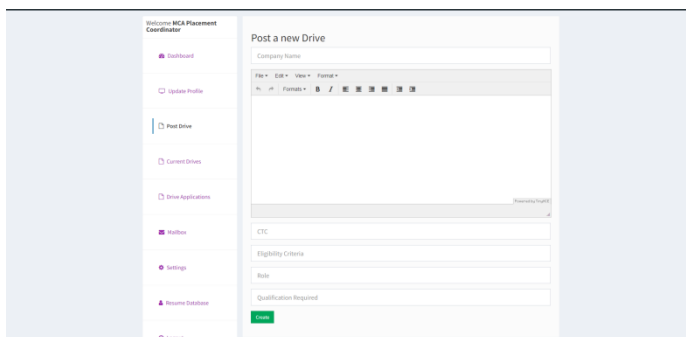


Fig.5.PostaDrive

The Figure 5.0 explains Placement Coordinator implements this process by inserting job-related information and criteria to develop a drive notice for students. This technology facilitates efficient interaction between the job provider and people interested in the position, ensuring that individuals have access to current information. The Coordinator is essentially a facilitator whom must enter comprehensive details such as job title, responsibilities, required qualifications, and desired abilities. Furthermore, the coordinator establishes the criteria that a student must meet in order to be selected for the job, which might involve grade point average, specific course requires, or any other qualifications needed. The coordinator uses this information to develop a driving notification, summarising the job opportunities and offering students with simple knowledge of the requirements and application methods. By utilizing this process, the Placement Coordinator is able to improve communication and promote transparency between job providers and

students, enabling the latter to make more informed decisions regarding their applications. The driven notification serves as a link between job provider and applicant, improving the recruitment process and resulting in a more organized and streamlined connection between the two.

V. CONCLUSION

This paper proposes a novel platform for automating the placement and internship application process for students, which provides several practical benefits such as faster and more efficient operations, as well as less reliance on manual labour. This cutting-edge technology enables placement coordinators to easily create job postings and distribute them to students who fulfil the criteria they define, such as completing specific academic standards or having a certain percentage score. In this approach, placement coordinators have substantial control over who is qualified to apply for the post - ineligible individuals are instantly screened out. Furthermore, because the platform allows students to apply for placements with a one click, the application process is simple and quick for them, providing for a more convenient and efficient application process.

Placement and internship procedures can be greatly improved by utilising an innovative platform that automates and streamlines the process, resulting in increased efficiency and convenience. This service provides placement coordinators and officers with complete abilities, providing a comprehensive view of student applications. It also features a tool which enables authorities to delete accounts due to misconduct or successful placements. In addition, the site includes a resume builder with professional templates to help students produce effective resumes. As we can see, this revolutionary innovation has an opportunity to alter how educational institutions conduct placement and internship processes. It improves coordination, effectiveness, and simplicity, linking students with appropriate work possibilities. Using the complexities of perplexity and burstiness, the benefits of the platform are effectively communicated.

VI. FUTURE WORKS

In order to similarly enhance the person reveal in and offer a seamless method to the position software procedure, future work entails developing an Android utility for customers. This application will permit students to without problems get entry to the platform, navigate through diverse capabilities, and practice for placements immediately from their cellular gadgets. By imparting an in-hand answer, students may have greater convenience and flexibility in coping with their placement programs' make certain timely notifications and updates concerning placements, a mail subscribing device will be implemented. This gadget will permit college students to join acquire notifications via e mail, casting off the need for logging into the website to check for updates. Students will receive placement-associated facts at once of their mailbox, ensuring they live knowledgeable without any more attempt. This function will decorate accessibility and comfort for

collegestudents. The future improvement consists of enforcing a graphical presentation of student overall performance and placements. This characteristic can be useful for departments to assess their overall performance in placement sports. By visualizing the information, departments can examine traits, pick out areas of development, and offer targeted steerage and education to college students. This graphical representation will function a valuable tool for departments to monitor progress and make knowledgeable choices. To streamline the entire placement method, destiny work entails integrating the complete system within the platform. This includes conducting flair and coding checks in the platform itself, permitting students to take these assessments on-line. Furthermore, the platform will provide a scheduling gadget for interviews, allowing green coordination among college students and recruiters. By centralizing all aspects of the position manner, the platform will provide a complete solution for each students and recruiters.

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