

Android Application for Training and Placement Cell using Machine Learning

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Abstract - Online Training and Placement system automates activities of Training and placement cell and place the best coordination between student. One of the biggest challenges that higher learning institutions face today is to improve the placement performance of students. Educational institutes look for more efficient technology that assist better management and support decision making procedures or assist them to set new strategies. One of the effective ways to address the challenges for improving the quality is to provide new knowledge related to the educational processes and entities to the managerial system. This model helps the placement cell within an organization to identify the prospective students and pay attention to and improve their technical as well as interpersonal skills. Online Training and Placement focuses on automation of placement cell. Authorizing the CV, communicating about the various job openings to the student community, managing the corporate relationship for inviting them for the placements as well other activities, monitoring the progress of the selection process and communicating with different. Furthermore, the students in final years of their B. E course can also use this system to know their individual placement status that they are most likely to achieve. With this they can put in more hardwork for getting placed in to the companies that belong to higher hierarchies.

Key Words: Training, Placement, Chat, Query, Skills etc.

1.INTRODUCTION

In 21st century where mobile and information technology has become an integral part of our lives, use of Internet to enable students and companies to manage the placement process with active participation of Training and Placement Officer (TPO) can be eased in educational institutes. This led to unique android based placement management system. This application provides information on placement drives and technical skills or personality development workshops so that student may view and assess their opportunities. The users can access easily to this and the data can be retrieved in no time. In the student registration form, we can give personal details, educational qualifications, and professional skills and upload resume. The job details of the places students will be provided by the administrator. The Training and Placement Officer to take effective actions on the web as a follow-on from the information they have viewed. The administrator plays an important role in our

project. He provides approval of student registration and updation.

1.1 Existing System

- Maximum Manual Work: All the work that is done until now is done by human intervention.
- Errors: Due to which there was maximum chances of errors.
- Maximum Human Interface: The interface of student and administer is maximum.
- Time Consuming: Due to the above problems every procedure becomes time consuming.
- Updating Records: Due to above problems the updation was very difficult and ambiguous.
- Duplication of files: Due to updating, duplication of records was usual hence data redundancy.
- Synchronization problem: There was less interface between student and Training and Placement department.
- No Alumni record: There was no record maintained of the past students;
- Less Communication: There was less communication between past or present student with the Training and Placement department

1.2 Proposed System

The proposed system meant to give more easiness to the users that they can add and retrieve information quickly. There are mainly three types of users they are TPO, Student, Alumini. The TPO is the master user; he gets the most number of priorities than the other users. The different functions involve the case of an TPO are updating, approval. The TPO can view and approve the various application forms. Students can register and view the details. The TPO can view the details of the students and can approve or reject their applications. The proposed system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed system is a cost effective way of doing the manual processes done in the existing system.

2. Implementation Details

Admin/TPO Module

The TPO is the Admin in this system and has the authority to add the company. The various events of the TPO is to notify the students about the upcoming campus and off campus drives, workshops. Admin also has the statistics of the registered students, students that have applied for the jobs, companies that are arriving to the college for the drives, total students selected for the respective companies Admin can also provide the study materials that can be either digital or links to refer.

Student Module

Students have to register first to the system by entering the personal and professional details including their technical and non-technical skills along with their email ID and new passwords. Students later login to the system using their valid email ID and password to look for the jobs that have been posted by the Admin. The students can later apply for the jobs that meet the eligibility criteria of the company. There is also chat room for students where they can clarify the doubts regarding drives.

Alumini Module

Alumins are the passed out students, placed or unplaced. Alumini register themselves to the system using their personal and professional details along with the email ID and passwords. Alumins login to the system using valid email ID and passwords, they can also view the jobs that are posted by admin and can also participate in the drives if allowed. They can also participate in the chat room to answer or to ask questions about their doubts and can make use of the study materials provided. Alumins can also provide the study materials.

Chat Module

Chat module is the platform for the students or the admin or the alumini to ask the queries regarding drives and for students and alumini it might be the help for preparing for any drives or the study materials.

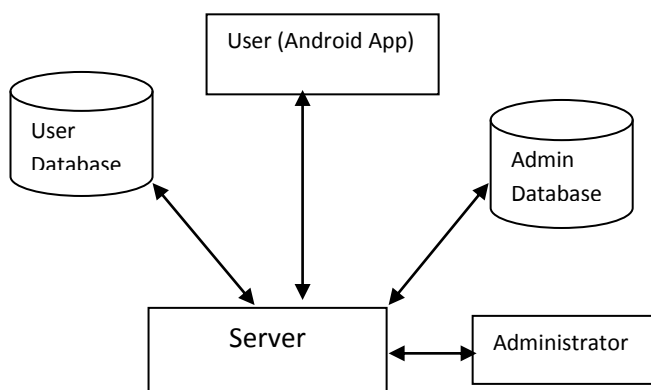


Fig -1: System's block diagram

3. Results

The Home page is shown in the figure 2 in which there is a sign-up option for new students and alumins. There is a login option for students, alumins and TPO/Admin separately as they have different events in the system. There is also a chat room commonly provided for everyone in the system.

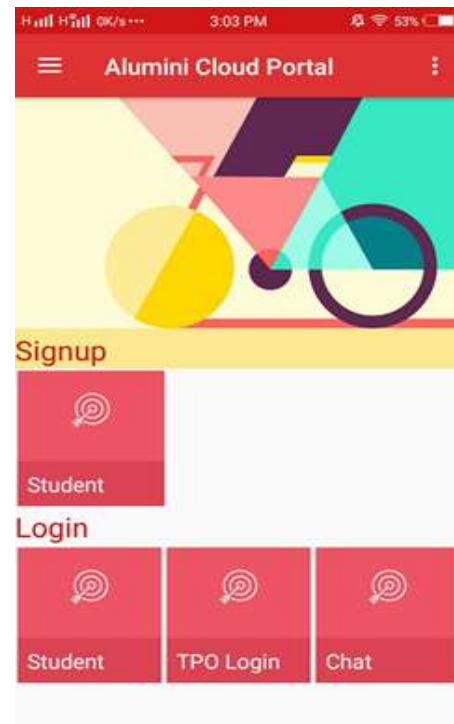


Fig -2: Login and Sign-up interface for students, TPO and alumini

4. CONCLUSION

In the existing system maximum work goes manually and it is error prone system. It takes time for any changes in the system. The big problem is the searching and updation of student data and also no notification method available for giving information to student except the notice board. It enhances easy communication between staff and students through chat room. It gives the automation in all the processes like Registration, Updation, Searching. It provide the detail solution to the existing system problem.

ACKNOWLEDGEMENT

It is our advantage to acknowledge with deep sense of gratitude to our project guide Prof. Megha Y. and our H.O.D Prof. Ramchandra Rao Meka. whose supervision, inspiration and valuable discussion has helped us to complete our project. Their guidance proved to be the most valuable to overcome all the complications in the fulfillment of this mega project on "Android Application For Training And Placement Cell Using Machine Learning".

We are thankful to Principal Dr. Sunil Kumar D for direct or indirect help in the completion of this project. Last but not least, this acknowledgement would be incomplete without rendering our sincere gratitude to all those who have helped us in the completion of this project.

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