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Android App for Training and Placement

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Abstract— *The administration of Training and Placement is bolstered by paper-based frameworks, databases, spreadsheets and E-mail interchanges. Preparing and Placement is the urgent part of any instructive establishment in which a large portion of the work till now is being done physically. The point of this venture is Automation of Training and Placement unit of PCE (Priyadarshini College of Engineering). The venture will incorporate least manual work and greatest advancement, reflection and security. This is an android application which will help understudies and additionally the organization power to do every last action in this office. The android application is an application that can be gotten to all through the PCE (Priyadarshini College of Engineering) association with legitimate login gave. This application can be utilized as an app for the Training and Placement Officer (TPO) of the college to deal with the understudy data as to situation. Understudies logging ought to have the capacity to transfer their data as a Curriculum Vitae (CV). The key component of this task is that it is an onetime enlistment. The application gives the office of keeping up the points of interest of the understudies. It additionally gives an asked for rundown of contender to enlist the understudies in light of given question. Manager signing in might likewise seek any data set up by the understudies. This task will help universities to practice full IT sending. This will likewise help in quick get to strategies in arrangement related exercises.*

Keywords— *IT, TP, PCE, CV, TPO*

I. INTRODUCTION

The Project "TRAINING AND PLACEMENT APP" is an Android App that goes for making the preparation and situation strategy in our organization less demanding. Shortly the preparation and arrangement system is done by specifically enrolling at the grounds preparing and position cell to the preparation and situation officer. This entire procedure is very dull for TPO. Notwithstanding this understudies may not get overhauled about the method and their preparation and situation status. With web coming to at our doorsteps this App goes for conveying a simpler approach to enlist yourself for situations and trainings. Understudies can without much of a stretch register themselves and can see their situation status. This App monitors all understudy individual and scholarly points of interest and monitor their preparation and situation status. The focal store of all records helps TPO to overhaul the preparation and position record of understudies effortlessly and aides in decreases any irregularities and repetition. With the assistance of App understudies can without much of a stretch overhaul their own and scholastic data that occasionally changes throughout preparing and situation.

II. LITERATURE REVIEW

In various colleges, training and placement organizer have to manage the CV's and documents of students for their training and placement manually. T&P organizer have to collect the information of various companies who want to recruit students and notify students time to time about them. If any modification or updating are required in CV of any student, it has to search and to be done it manually.

So there is a need to develop an Android App that can solve the mentioned problem. This App will reduce the paperwork and accuracy in result. Manage the man and machine resources efficiently. Secured check in, check out & updates. Allow easy navigation about T&P information

III. PROBLEM DEFINITION

In various colleges, training and placement organizer have to manage the CV's and documents of students for their training and placement manually. T&P organizer have to collect the information of various companies who want to recruit students and notify students time to time about them. If any modification or updating are required in CV of any student, it has to search and to be done it manually.

Searching is done manually based on the company criteria training and placement head will identify the eligible student by looking the excel sheet. TP head has to see each and every student marks and their eligibility. No searching method is provided. The student will get notify through traditional notice board and emails. There may be chances of loss of opportunity. The students were not being made aware of the T&P activity. At RGIT there is no any method of communication with the TP head, Student, or Alumni

IV. PROPOSED WORK

The proposed Android App for Training and Placement is an Android Application which aims at making the registration procedure for students for trainings and placements in campus easier. This App provides an easy way to TP head to keep track of training and placements of all the students and saves him loads of manual work. This App makes updation of records easier by both students and TPO and provides updated information about the current trainings and placements status in campus. The proposed work is intended to do following:

1. **Online Registration:** Traditionally the job of registration was done manually at PCE by passing the registration form to the students. But this was too much time consuming and also erroneous. So the major need was for the automation for registration by online registration by students themselves.
2. **Security For Administrator:** The files in which the data is stored is stored in Access file sheets that too separately for each class of department; so the files could be accessed by any one accessing the computer. These files may be 'confidential'. So there is a special need for security.
3. **Automatic Calculation of student marks:** The Calculations done until now was done manually and fed into the access sheets. So the need arises for the automatic calculation of student marks average/aggregate.

4. Hierarchical Structure of departmental data: As mentioned earlier the data was stored separately for classes of each department the problem of searching was time consuming and as well the duplication could occur. So there is a need for a centralized hierarchical structure.
5. Alumni Data Base: The alumni data is insufficient and is out of reach of the students. So the proper method to employed to store the alumni data.

TP head provide the approval and conformance to the student through automated email system. They give the validation of the information provided by the student through automated email system. They can see the information provided by the student like marks, contact details, parent mobile number, extracurricular activity or other information. They can use the parent's details for further communication. They put online notices, schedule and events so that the entire user can view this.

V. DESIGN DETAILS

In the Android App there are following module and their design details are as follows:

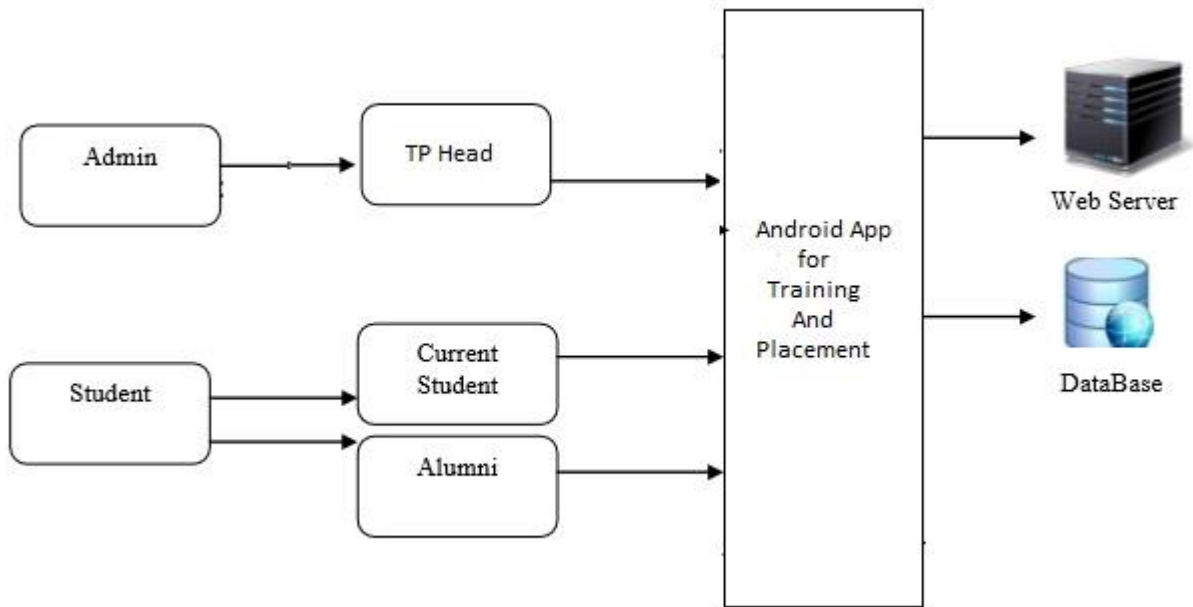


Fig. Block Diagram

In the admin section we can consider admin can accept student information correctly and manage selection process. Accepting the updated information from students. Displaying current status of coming companies, criteria, syllabus for aptitude test, selection process rounds etc. Provide confirmation to students that they had successfully applied for company or not. Notify the selected students.

In the student section we can consider student registration Students will register in the App. Online updating facility will be provided after registration. After registration record will get verified by administrator. We can also consider the departments for identifying the student in which department

Use case diagram:

Based on number of different scenarios, we have come across the following uses of the TP App.

- Login
- Registration
- Student Detail
- Company Detail
- Placed or Not
- Student List
- Company List
- Decide Salary

The Use case Diagram for TP App is shown below

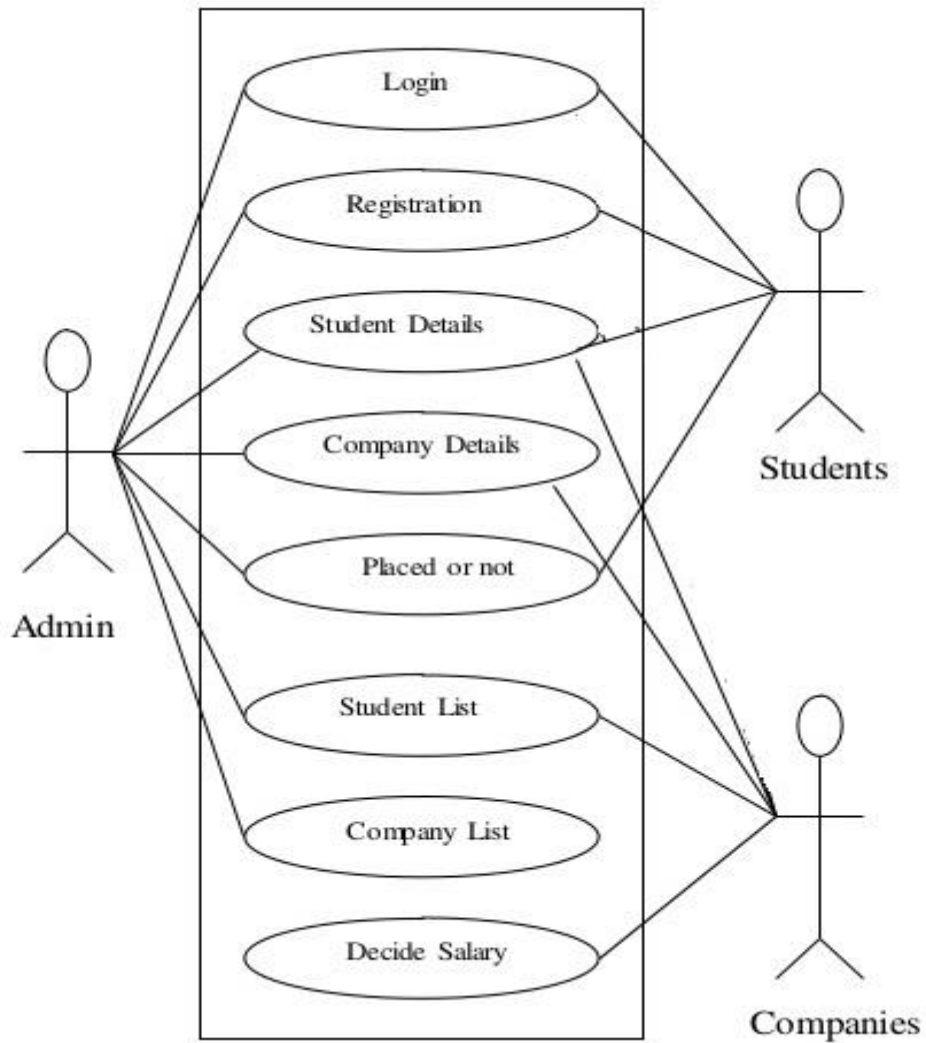


Fig. Use Case Diagram

Class diagram:

At the Object Oriented Analysis we found following classes after few iterations.

- Student
- Administrator
- Recruiter

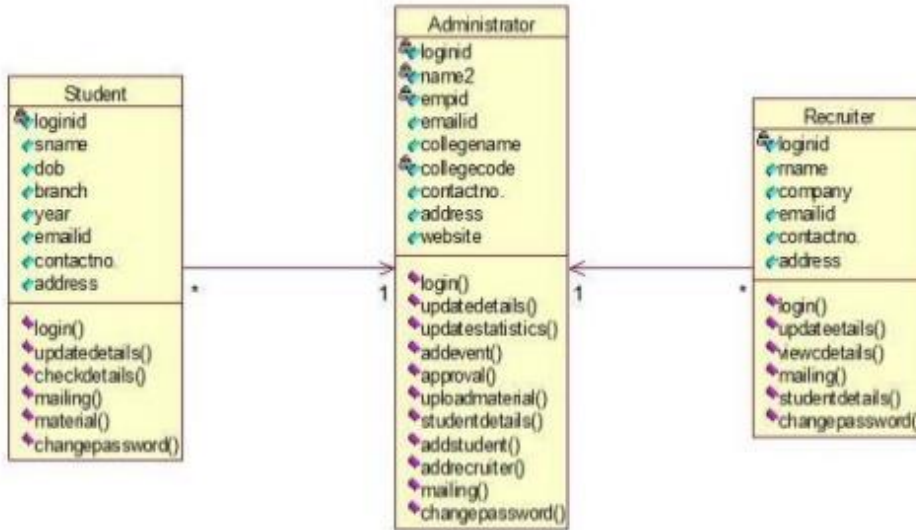


Fig. Class Diagram

Sequence diagram:

For a scenario successful login the sequence of actions are shown with the sequence diagram:

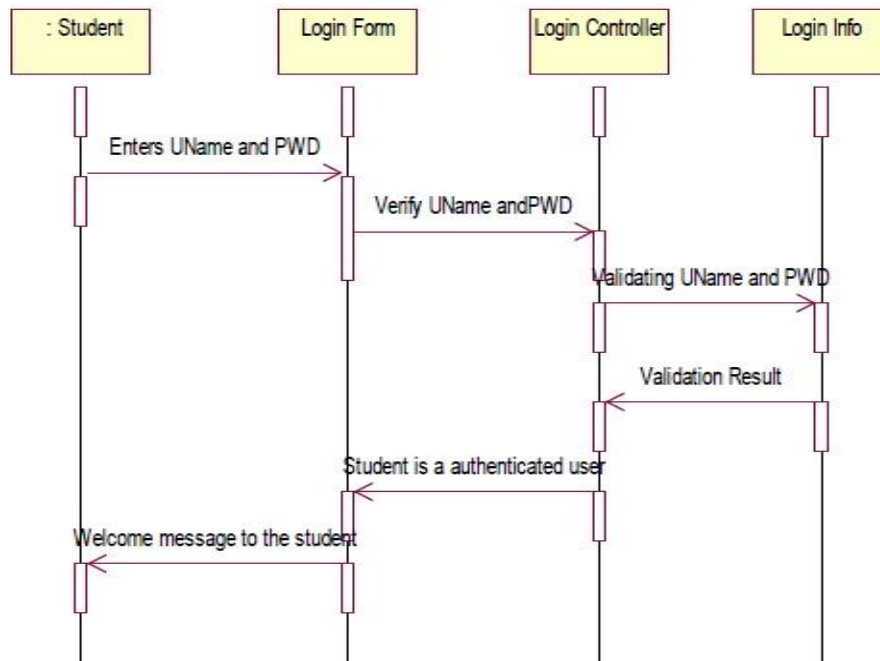


Fig. Sequence Diagram

Student register and login page design:

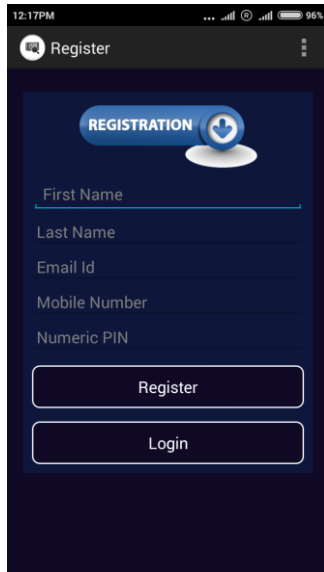


Fig. Registration Page

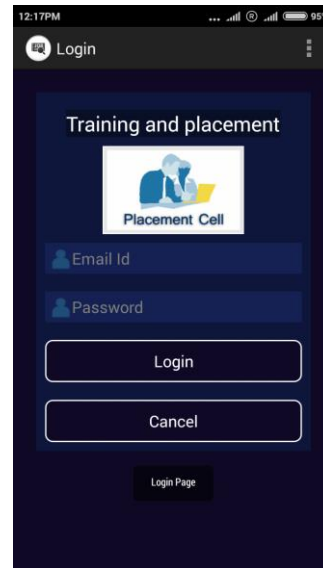


Fig. Login Page

Admin can add news about coming companies in the campus, layout are:

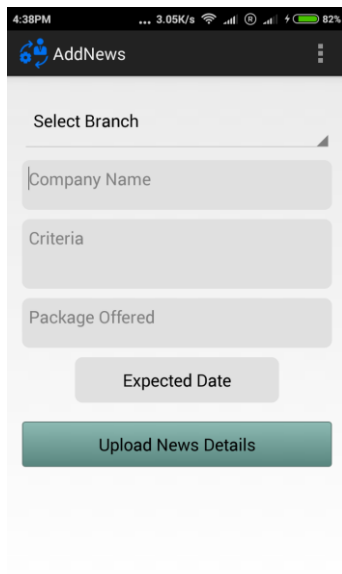


Fig. Add News (By Admin only)

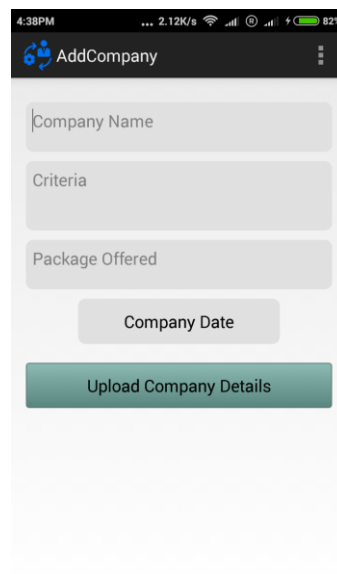


Fig. Add Company Details (By Admin Only)

There are various design pages among them few are mentioned above.

VI. CONCLUSION

From a proper analysis of positive points and constraints on the App, it can be easily downloaded in many other Android mobiles or tabs. The app is very convenient and user friendly. Generally the training and placement organizer of the college has to face a lot of problems in management of the Student information. These all information has to be managed manually. If the specified database is stored then the whole database is display in the tabular form. The data displayed is the updated and current information of the student's personal and academic details. It also displays the status of the Training and placement of student. So, there is a need to develop an Android App that can solve the mentioned problem.

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