ANDROID COLLEGE CAMPUS PLACEMENT EVERY STUDENT'S DREAM.

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Abstract : In our college placement application namely student, company and admin are present. Android Placement Application focuses on the automation of the training and placement cell and profile matching. Student will register and login into the system and build their resume. If the students are eligible for the particular job then he or she can view the job and ask for aptitude test. Company will register and upload the jobs with marks criteria. College will select that to allow or discard the company for the job. Student will receive notifications on mail about the interview schedule or for the new job uploads. After that selected candidate will display to the college.

　　　　The Android based mobile campus is used to provide facility to students just like information regarding any placement activities, aptitude marks details. This information should be provided to students in a cost effective way. The project will provide maximum optimization, abstraction and security along with minimum manual work. The project will helpful in faster management of the placement related activities in the college campus.

Keywords **- Automation, Android Smart phone, Database server, web Server,**

I. INTRODUCTION

We all live in the digital era , everything nowadays is done through technology. In a real world scenario, such as college campus, information in the form of notices, hand-written manuals, oral communication, is spread among the students. Today it is imperative to not only use the traditional forms of communication, but also newer forms such as mobile technology, for quicker and easier communication among the students. This concept provides, Android Application focuses on the automation of the training and placement cell and profile matching. Collecting the resumes, providing notifications about various job openings to the students according to the eligibility and company criteria, managing and inviting the companies for the campus recruitment, classifying the data from the resume submitted by students and creating the recruitment metrics, Observing and controlling the progress of the selection process and communicating with different eligible candidates via SMS or email notification.

　　　　This system is an application that can be accessed by the student through their smart phone as an android application and the high authorized person(TPO, Principal, HOD, Department coordinator),Company(JOB Recruiter) through desktop as web application with proper login provided. Students logging in should be able to upload their information in the form of a resume,Personal details, Academic details. TPO,Principal,HOD and Departmental coordinator logging in can access/search information put up by Students W.R.T. their authority. Students can access this information using their Android enabled mobiles. The mode of communication is android. An Android application provides interaction between people. One of the most widely used mobile operating system these days is Android. These applications make life more comfortable and advanced for the users. Students need not queue up near notice board /log on to college website for any of the above mentioned details. Student is anywhere can gain the information easily and quickly, so it is time saving.

II. LITERATURE REVIEW

The following research articles are selected for review, keeping in mind the traditional and conventional approaches of smart street lighting system:

☐ *OTPS: an interactive placement system.*
　　Online Training and Placement System is to prepare students ready for industry employment.To provide Training and Employment opportunities for students .To provide industry institute interaction.The main aim of developing this website was to reduce maximum chances of errors in manual work.

☐ *Campus Placememnt Automation:*
　　Computers and information technology has a major influence on the society and the last few years have witnessed a tremendous increase in the capabilities and use of technology. Going on is an era of simplifying almost all complicated works

using technology. Automation of Training & Placement Office will replace the manual processing of office which makes the mechanism slow and results into problems such as inconsistency and ambiguity on operations. The proposed system intends userfriendly operations which may resolve ambiguity and achieve certainty.

◻ *Android Application for Training & Placement Cell:*

In this paper, we proposed company fraud prevention system by blocking based on Android Application for Training & Placement Cell. The Training and Placement activity in the college is one of the most important activities in the life of the student.Therefore it is very important to make the process hassle free so that the students would be able to get the required information as and when required. Also with the help of a good system it would be easy for the staff of the Training and Placement cell to update the students easily and the work would be less

III. PROPOSED SYSTEM

There are multiple application available in market now days, but also there is Some fraudulent activities reported in the public domain

Direct recruitment by company

Candidates with fake CVs or academic credentials securing jobs with companies

Unauthorized interviews conducted or fictitious approval provided to select preferred candidates

Campus recruitment

Company employees seeking favours from collegesfor empanelment

Empanelment of preferred colleges, selection of relatives without disclosure, modification of test scores, etc.

Bias in ranking colleges by recruitment teams in organizations HR anchor may collude with vendors or Training

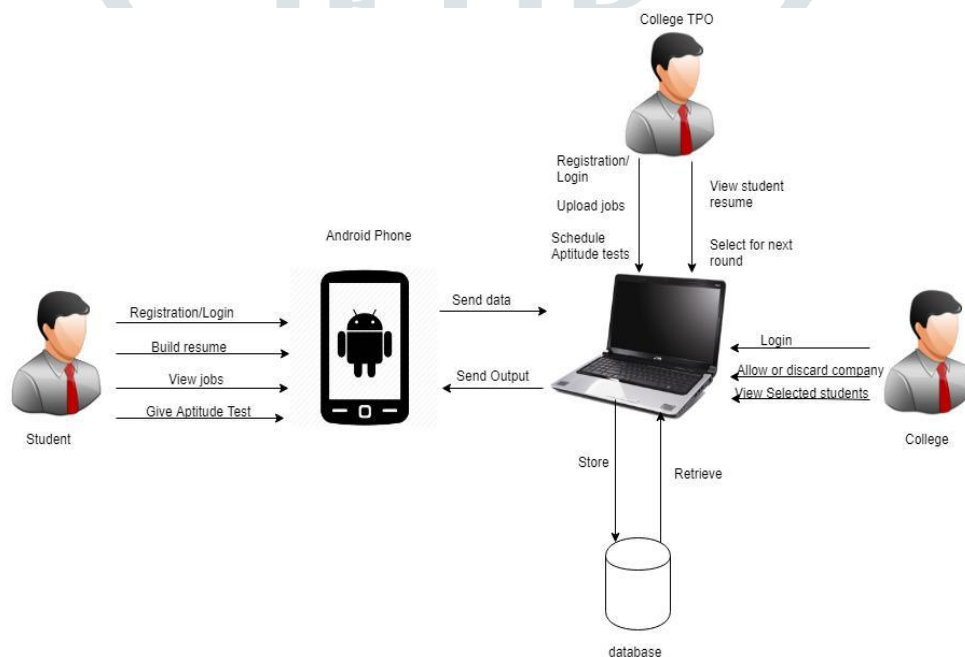Placement Officer (TPO) of a college to share confidential information

Figure 1. System Architecture

This app is based on android with high Security which provides prevention and detection of fraud activities Application provides feature that College TPO (College Admin) can verify the company recruiter ,company must have to complete the registration process with all information details. after registration process done they can post job , College TPO have authority to block and unblock company if any mismatch fond in details TPO can directly block company, also company have to make an approval from TPO for display a job post to students mobile application.

Following are the modules of this system:

a) Existing system :

The existing database management in the placement cell is by maintaining records of students in papers and Microsoft Excel sheet. This system adds difficulty to users in verifying records and it is a difficult and long task to update information . It requires the assistance of large man power to update the data. In case of viewing , a user has to run through large number of records to look in the detail of a particular student, which results in waste of time. This is a possibility of loss of data too in case of maintaining it in papers . The security indulged in the process is also less, manual records can be accessed by any user (unauthorized).

b) Problem statement:

Training and placement organizer arrange placement for college students and they 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.Considering this issue we are going to develop an android application for placement.

c) Features :

- Registration of candidates
- Resume building /upload the resume with candidate photo by candidate
-If he/she building the resume then provide the rating to the resume(by graphical levels) if app lookes incomplete of resume it will highlighted by red mark and shows green if fully complete resume with all details

- College TPO or Admin have complete authority can block and unblock the company.after posting job company have to take permission (allow/discard) to display it in students Application.
- TPO can block student if any misbehaviour by student or incomplete academic fees.
- can views final selected students by company

- Company register
-The list of company vacancies will be displayed
- Only those candidate can apply who are eligible
- Declaration of requirement by company
-Regularly notification of vacancy to registered candidates
- aptitude test marks results campany can view as graph

d) Functionality steps :
    1. Student (Android Application) :-
      -Registration and login to system.
      -Build Resume
      -Apply for jobs.
     -Give aptitude test.
      -Receive notification about next interview schedule.
      -View result graph of aptitude test.
      -Receive details update about jobs.
    2. Company/College TPO (Web app) -
      Upload jobs
      -View students resume -
      Send aptitude tests
      -Select students for next interview round
    3. College (Web app)
      -Login to system.
      -Allow or discard company
      -View selected students

e) System requirements:
    An application is designed to be compatible with all android OS based devices.

- Software requirements:

    ☐ Android Studio 3.0.1
    ☐ Android SDK.

  2) For Web Application : Eclipse Photon.
  3) Database managment - Xampp
  4) Java : JAVA JDK 10
  5) Server : Apache Tomcat 9.0

Languages :-
    For Android app -   For Web Application:
    ☐ Front End : Andoid XML.   Front End : HTML,CSS,JSP.
    ☐ Back End : Android JAVA. (PHP)   Back End : JAVA.
    ☐ Database : SQL.   Database : SQL.

f) Hardware Requirements:
- Android Phone with Lollipop 5.0 or higher
- Computer system : OS - Windows 7 or onwords.
- RAM : 4 GB or 8 GB.
- Harddisk - Drive C: 100 GB.

g) Maintenance :

It is required to consider the growth and quality of an application once the number of users on it starts to build, therefore an application needs to be both scalable, hence it is supposed to be maintainable. Software maintainability requires more developer effort than any other phase of the development life cycle.
 Maintainability is achieved by dividing modules amongst the developers, and each developer is responsible for one module.

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CONCLUSION

 Application Is User Friendly So The Students & companies can Use It Easily.The main goal of our application is to save time by reducing the manual process in the campus job recruitment process and hence making our app highly efficient .
There will be no loose ends as the candidate can only proceed forward if he/she will be eligible ,(the eligibility criteria would be given by the employers) The process will be point to point .

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