Mobile Application Based Recruitment Management System Using Android

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ABSTRACT

Final Year for any engineering students as well as their colleges is very crucial, because it is the time when the companies come in and for every student and company needs each other to work it out and hence this system comes in picture. Campus Recruitment System as the name states it is purely used for helping the companies to get the best candidate and directly come in contact with the student, in the same way student get to know about the jobs and the companies directly.

Keywords : Campus Recruitment, Android studio, Mobile application,, Placement cell etc

I.INTRODUCTION

A college campus recruitment system that consists of a student login, company login and an admin login. The project is beneficial for college students, various companies visiting the campus for recruitment and even the college placement officer. The application system allows the students to create their profiles and upload all their details including their marks onto the system. The Placement officer can check each student details and can remove faulty accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes. The application system allows students to view a list of companies who have posted for vacancy. The Placement cell has overall rights over the system and can moderate and delete any details not pertaining to college placement rules. The system handles student as well as company data and efficiently displays all this data to respective sides.

Problem Resolved from this project idea:

- It will be helpful in saving time of both students and companies.
- To remove the manual creating multiple sheets which consume lot of time and hard work.
- To provides the facility to Company to access the list of candidates and able to select the candidates that fulfill the requirement of the organization.
- To develop a Recruitment Application that helps the Company to conduct recruitment process and assign position to hired candidates.
- To make the application friendly to the user.

II. Related works

This type of system has been made before by many companies and this is not a new system but we inspected the existing and their features and advantages and disadvantages, which is shown in table 1.1

Existing systems	Features	Advantages	Disadvantages
LinkedIn	You will find the job listings posted by the employers and It also suggests jobs based on the information provided by you like your skills, education, experience, location and job-preferences	LinkedIn is a public platform and not an institutional based platform.	In LinkedIn, companies are not filtered according to candidates' criteria
Naukri.com	It has Dedicated Dashboard to view the activities summary Automate or customize your Referral mailers Attach additional questionnaires for the applicant's Complete.	In Naukri.com companies are not filtered according to candidates' criteria	Naukri.com is a public platform

Table 1.1

III. Proposed System

The proposal is to build an application system allows the students to create their profiles and upload all their details including their marks onto the system. The Placement officer can check each student details and can remove faulty accounts. The system also consists of a company login where various companies visiting the college can view a list of students in that college and also their respective resumes. The application system allows students to view a list of companies who have posted for vacancy. The admin has overall rights over the system and can moderate and delete any details not pertaining to college placement rules. The system handles student as well as company data and efficiently displays all this data to respective sides.

Placement is one of the most important for every student. Placement Cells plays crucial role to help students get placed in the right companies. The whole process of placement is done by placement cell of collage. This process is currently done manually on different platforms (like google form, e-mails, and WhatsApp groups etc.) it makes the process complex and it is time taking and it's not easy for companies to contact the students directly and it is difficult for students to communicate directly with companies they have to contact with placement cell, So to

resolve all these problems we created an application to remove the barrier between students and companies so this app will helps student or company to interact without interruption of any third party platform. And with this app we are addressing some problems faced by placement cell. The main task of Placement Cells is to help students get placed in the right companies through recruitment drives, spend a large amount of time in doing the administrative tasks. This large amount of time can be saved. By using this application Placement cell can manage all students and their information at one place and they can manage all the data of companies which are coming college to hire job seekers

As per the current situation due to these pandemic students are not getting much opportunities to utilize their skills and grab a worthy job for them. So, this application will help students to get to know about which companies are coming for placement in college and all the job requirements which are offered by these companies. And not only they can view all the jobs but they can also apply with the help of our application.

As per the current situation due to this pandemic companies are also facing the same problems by not visiting the colleges offline for campus placement so to acknowledge this problem now, they can post job openings online according to their job criteria, so with the help of this App students can directly apply for that job. And company can view all the job applications received and can also view the details of applicant.

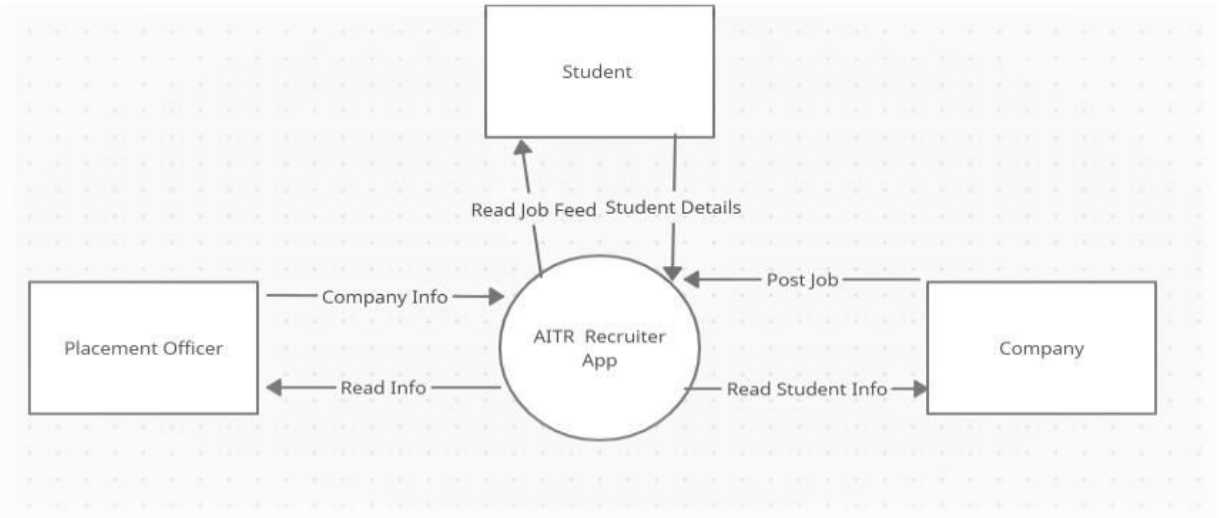
Solution Proposed

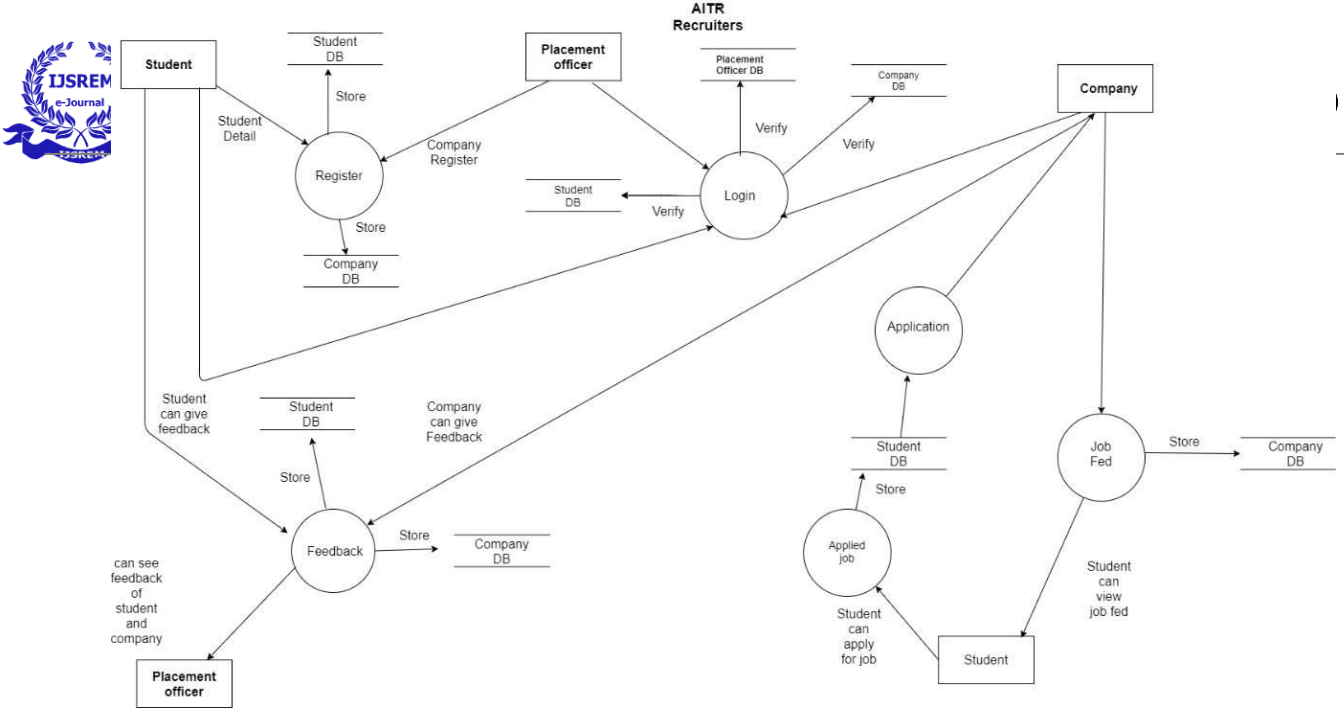
The greatest obstacle for recruiters is connecting with candidates so in our app makes it easy for both recruiters and job seekers.
We need to manually sort details of students for the company but now with the help of this application the company can view all students' detail and system can shortlist students according to their criteria instead of doing manually.

Benefits of the Proposed System

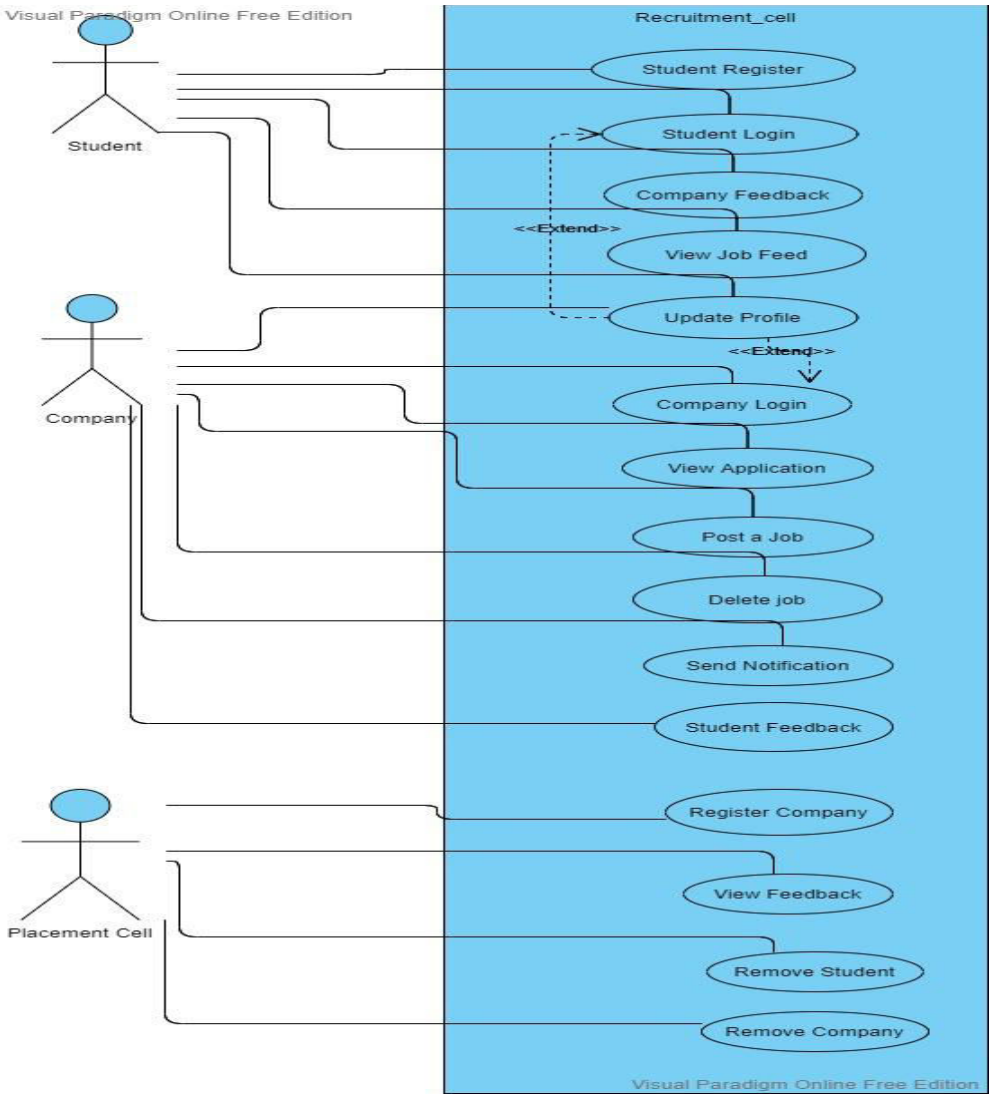
- There will be no need of putting up notice or emailing every student about the company coming in college. The students can keep updated themselves through this software.
- The company can view all students' detail and system can shortlist students according to their criteria instead of doing manually.
- There is admin login that can view and manage both students and company's account and also can put up notifications.
- Student can register online instead of going to placement department for registration.
- This system saves time and efforts.
    - **0 level DFD**

1 Level DFD

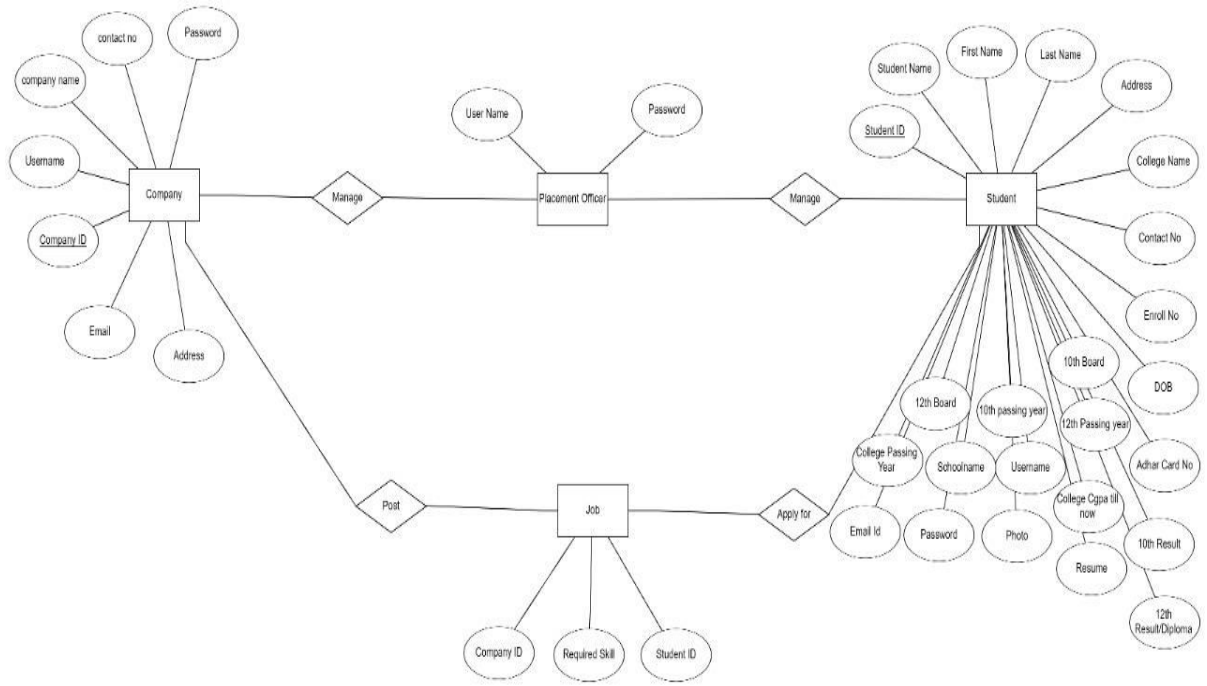

Student
Read Job Feed
Student Details
Placement Officer
Company Info
Read Info
AITR Recruiter App
Post Job
Read Student Info
Company



1. **Use case Diagram**



2. Entity Relationship Diagram



Entity Relationship Diagram

Database Structure

The proposed system for Swotting Classroom having a single centralized database and the tables of Login, Assignment, Attendance, and Quiz will be for maintaining data uploaded by teachers and students. Following table contain the information and entity of table:

Table Name	Entities & Attributes
Company_Add_Job	job_company_name, job_title, job_description, job_requirements, job_key_responsibilities, job_salary_range, job_criteria
Company_Feedback	companyname, feedback
Company_Profile	id, name, user_name, password, email, phone_number, address, discription.
Student_Applied_Job	name, stu_enroll_no, stu_phone_no, stu_email, stu_sec_perct, stu_hgh_perct, stu_grad_yop, stu_grad_perct, company_name, company_job_title, company_job_discp, company_job_resp, company_job_salary, company_job_criteria.
Student_Feedback	student_feedback, feedback_stu_name
Student_Profile	id, student_name, Enrollment_no, password, confirm_password, gender, date_of_birth, phone_no, email, sec_perct, sec_yop, sec_board, hgh_perct, hgh_yop, hgh_board, grad_course, grad_unvt, grad_sem,

	grad_year, grad_perct, grad_yop.

Deployment Requirements:

There are various requirements (hardware, software and services) to successfully deploy the system. These are mentioned below:

Software Requirement:

- **Android Studio:** Android Studio is the official integrated development environment (IDE) for Google's Android operating system development.
- **SQLite:** The SQLite library is a core part of the Android environment. Java applications and content providers access SQLite using the package in the android.database.sqlite namespace.
- **Java:** java is a high-level programming language developed by Sun microsystems. It was originally invented for developing programs for set-top boxes and handheld devices, but later became a popular choice for creating web applications.
- Windows XP, Windows 7(ultimate, enterprise) and above.

Hardware Requirement:

- Processor – i3
- Hard Disk – 10 GB
- Memory – 4GB RAM
- Monitor
- Android device.

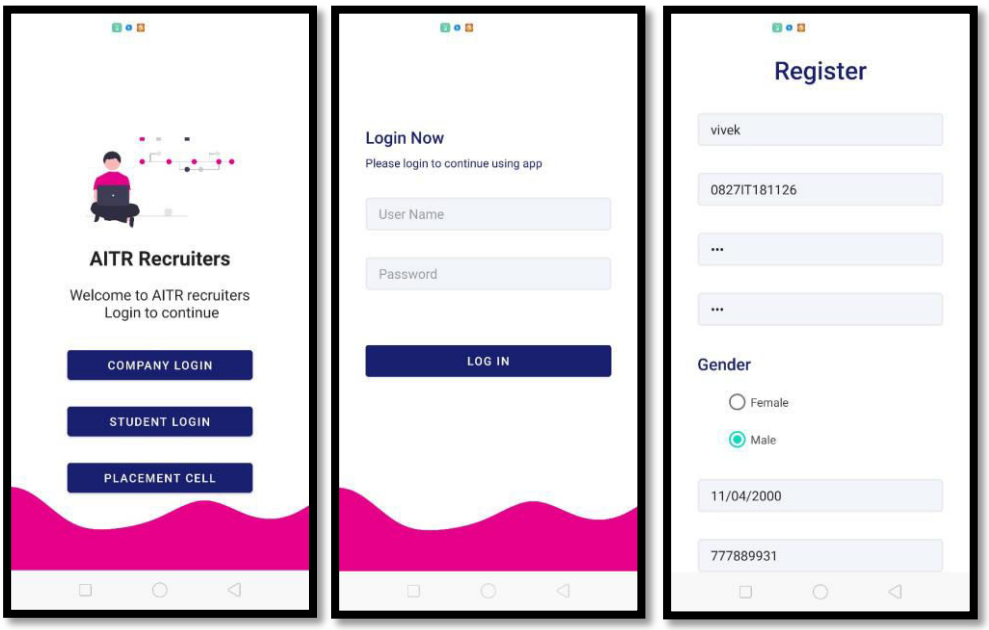
IV. Implementation and Results

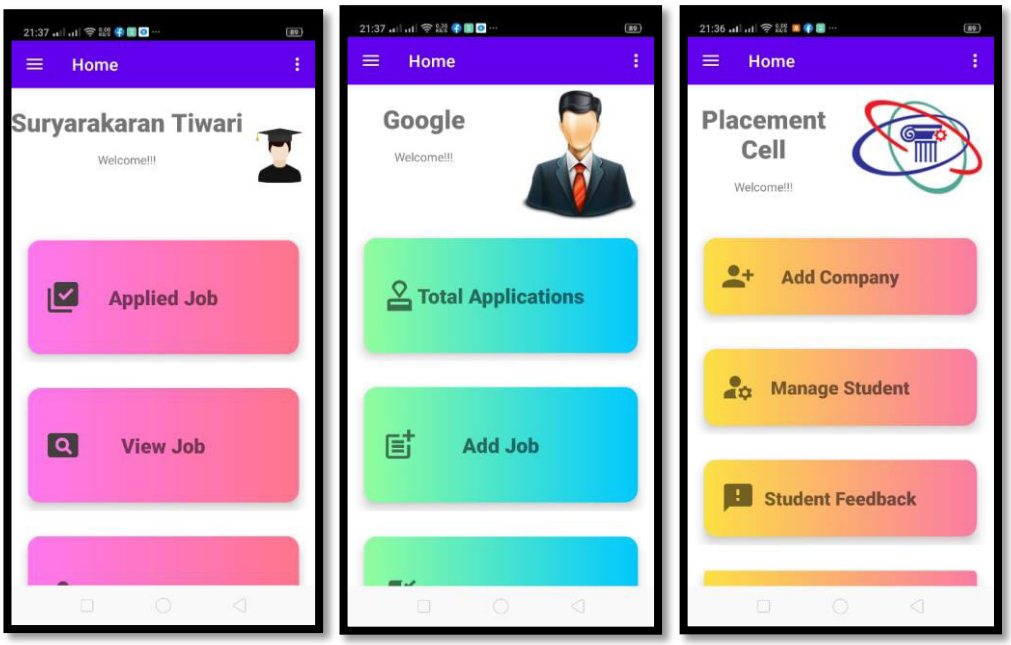
The project can be an innovative idea in order to resolve the problems faced by students, Placement Cells and Companies coming for recruiting students it reduces a connection barrier between all three

The project idea came by observing the current scenario of students as they have less information related to job opening in various companies and on the other side the companies are not getting information of all students at one place so to resolve this, we have come with this platform named AITR Recruiters this is android application for the placement cell of the institute which is mainly managed by placement cell where the companies post their job requirements with proper job information of the job which they are offering. Companies post their jobs by add job section were filling all the details of the job they can post the job. Which will now directly show in the feed section of students. And in this application, we have separate section for all the applications which they have received from students on the particular job which was posted by company. and for students we have all jobs section where they can see all the job opening placed by different companies at one place

opening any particular job they can see all the job details of the particular job and they can directly in their feed and they also apply to the job from applied now option and in our application we have a separate section for applied jobs where all the jobs which were applied by student can see in one place and placement cell can manage both student details and add company to the application and give logging credentials to the company. placement cell view all the detalies of number of students registered and number of company enrolled and they can delete the records if needed.

We also have feedback section in our application where both student and companies can give feedback to the placement cell any issue they are facing using application they can report to placement Cell.

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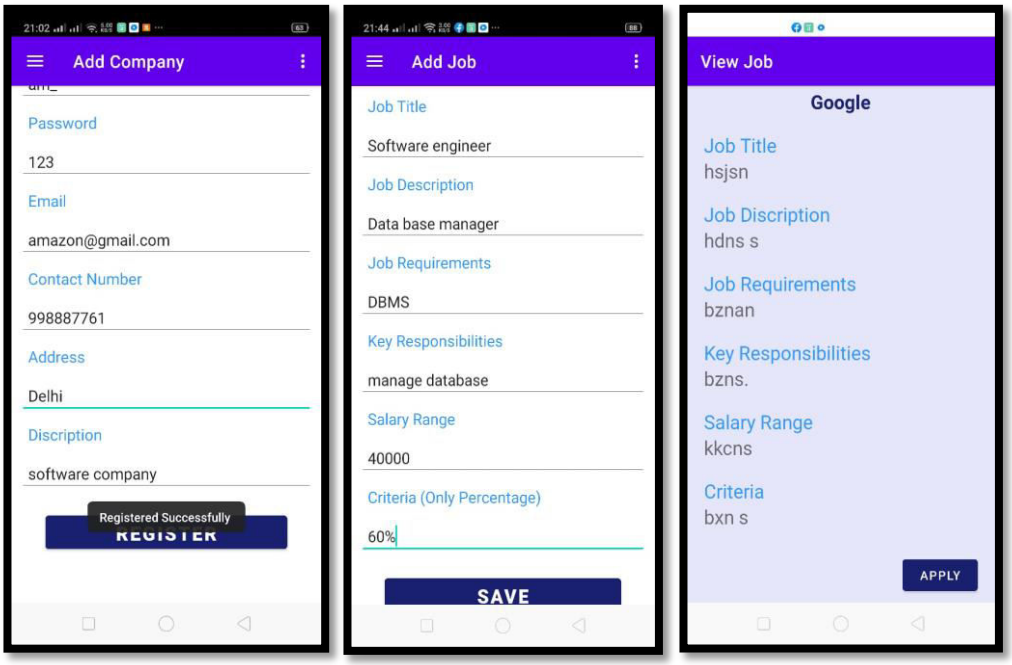
Suryarakaran Tiwari
Welcome!!!
Applied Job
View Job
Home
Google
Welcome!!!
Total Applications
Add Job
Home
Placement Cell
Welcome!!!
Add Company
Manage Student
Student Feedback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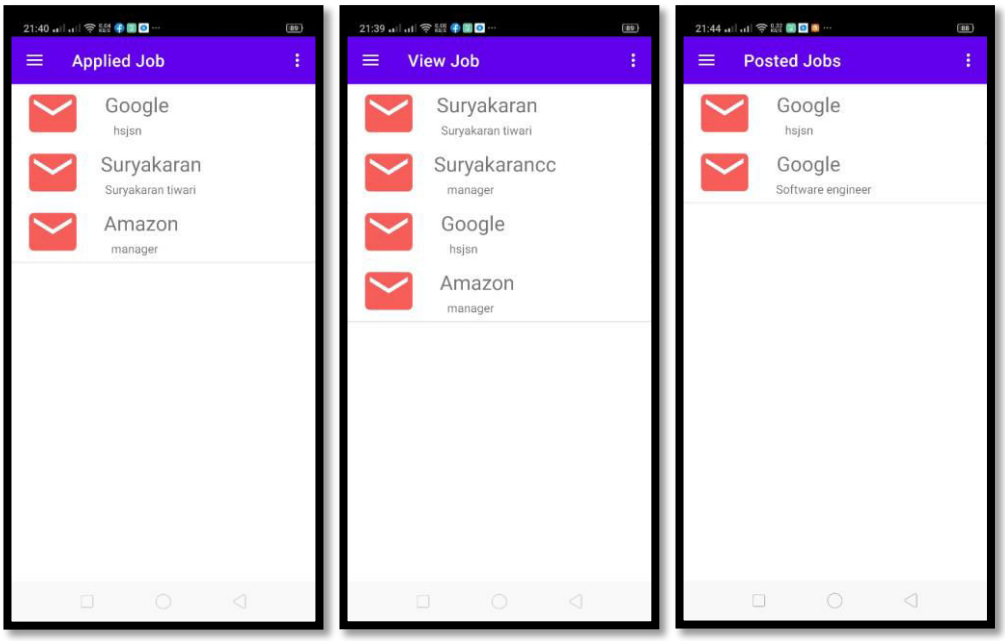
APPLY


Applied Job
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Amazon
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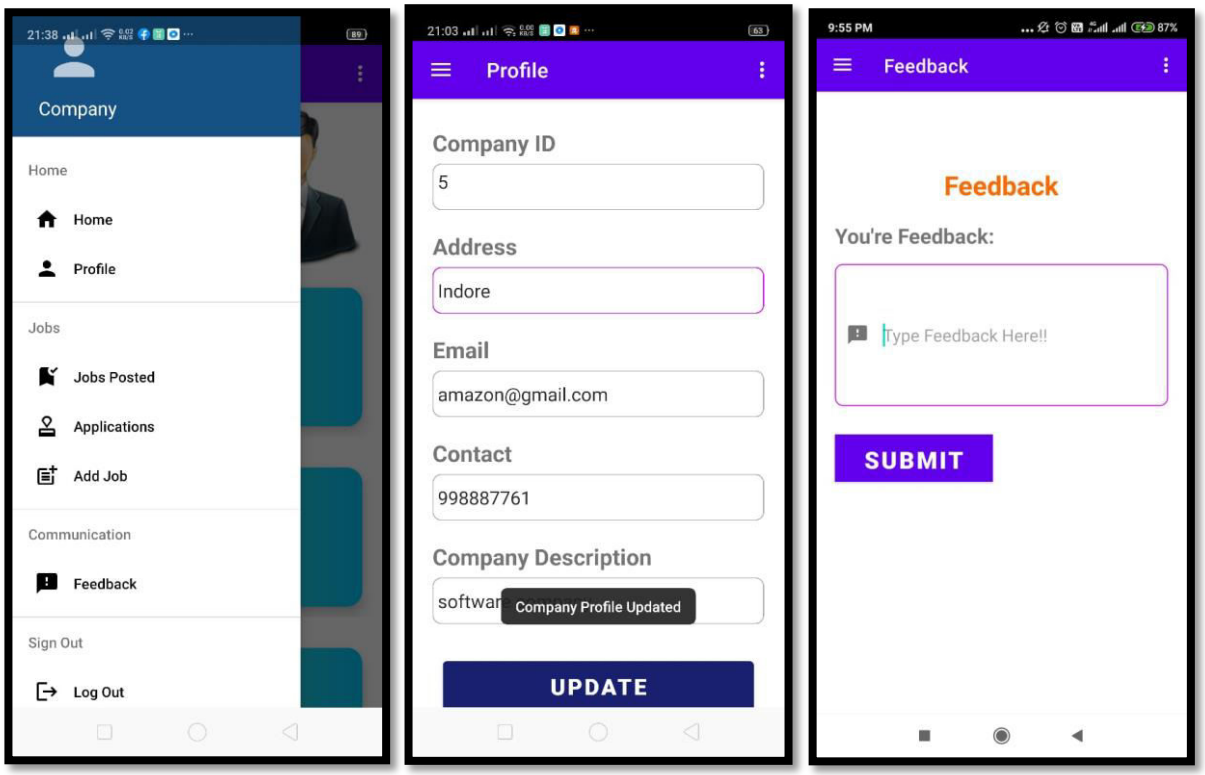
Company
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Type Feedback Here!!
SUBMIT

V.CONCLUSION

The proposed project is an android application which help the student to reduce and resolve the problems associated with the unemployment in India. The essence of recruitment can be summed up as "the philosophy of attracting as many applicants as possible for given jobs". The face value of this definition is what guided recruitment activities in the past. The system has been designed to do a whole lot more than just reduce paperwork.

Limitations of the Work

- The system will need internet connection.
- Organizations cannot depend only on the online recruitment methods.
- Student can manipulate the data (like grades etc), so fake data can also be written.
- User can access this application only if they have android device. It means they cannot install this application on the platforms other than android.

VI.FUTURE SCOPE

In future, we will be updating the application with additional features such as online interview so that student and HR of that company can communicate with each other, then distance will not be a barrier for recruitement. We will add many more features to the application so that user can access this application in better way and have a good user friendly experience. And in future we will try to develop our application for diferent operating systems also such as ios and windows etc, so anyone can use our application.

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