

Training and Placement Cell Android Application

SANGEETA JAWAR

Assistant Professor
Department of CSE

Teegala Krishna Reddy Engineering
College, Hyderabad

BODA PAVAN

Department of CSE

pavanboda135@gmail.com
Teegala Krishna Reddy Engineering
College, Hyderabad

B.PRAVEEN

Department of CSE

praveenbhukya690@gmail.com
Teegala Krishna Reddy Engineering
College, Hyderabad

P. PAVAN

Department of CSE

Pavanpenta2@gmail.com
Teegala Krishna Reddy Engineering College

V. BHARGAVI

Department of CSE

Vanambhargavi393@gmail.com
Teegala Krishna Reddy Engineering College

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- Abstract** - Placement and Training (PAT) cell is the bridge between the students and businesses that visit the recruitment campus so that all Placement and Training cell information and activities are relevant. By automating critical Placement and Training cell tasks such as displaying notifications, holding student information, student qualifications, business requirements, training sessions, schedule of interviews, planning seminars, etc. The program aims to reduce human resources and errors. To achieve that automation, we developed an Android framework. The proposed system is an Android application to monitor mobile student information and keep them up to date on the latest activities at the college. The program will be used by the students, teachers and parents. Let n number of students, n number of streams, n number of recruiters be running the placement process smoothly. As an Android application it's portable and acceptable to most users.
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I INTRODUCTION

Placement and Training (PAT) cell is the bridge between the students and businesses that visit the recruitment campus so that all Placement and Training cell information and activities are relevant. By automating critical Placement and Training cell tasks such as displaying notifications, holding student information, student qualifications, business requirements, training sessions, schedule of interviews, planning seminars, etc. The program aims to reduce human resources and errors. To achieve that automation, we developed an Android framework. The proposed system is an Android application to monitor mobile student information and keep them up to date on the latest activities at the college. The program will be used by the students, teachers and parents. Let n number of students, n number of streams, n number of recruiters be running the placement process smoothly. As an Android application it's portable and acceptable to most users. .

II Literature survey

2.1 ANDROID BACKGROUND

Android is an operating system (OS) developed by the Open Handset Alliance (OHA). The Alliance is a coalition of more than 50 mobile technology companies ranging from handset manufactures and service providers to semiconductor manufacturers and software developers, including Acer, ARM, Google, eBay, HTC, Intel, LG Electronics, Qualcomm, Sprint, and T-Mobile. The stated goal of the OHA is to "accelerate innovation in mobile and offer consumers a richer, less expensive and better mobile experience" The java platform and the SDK tools were available in October 2008. There is single mobile phone that runs the Android OS which was G1 from T Mobile. According to the Android website the platform is based into the four core features.

2.2 PLATFORM OVERVIEW

Android is a software stack which is for only mobile devices. It includes an operating system, key applications. The Android SDK provides the tools. APIs necessary to begin developing applications on the Android platform using the Java programming language. Android based on Linux version 2.6. The system services such as security, memory management, process management are controlled by Linux

2.3 FUNDAMENTALS

Android applications are written in Java programming language. They are not executed using the standard Java Virtual Machine (JVM).[6] Google has created a custom VM called Dalvik which is responsible for converting and executing Java byte code. All custom Java classes must be converted into a Dalvik compatible instruction set before being executed into an Android operating system. Dalvik VM takes the generated Java class files and it combines them into one or more Dalvik Executable (.dex) files. It reuses duplicate information from multiple class files, effectively reducing the space requirement created to support the nature of mobile operating systems

2.4 DEVELOPMENT

The Android SDK provides set of application programming interfaces (APIs). Android handset services are exposed and accessible to all applications. Android applications can share data among one another and also access shared resources on the system securely

2.5 APPLICATION

Android offers developers ability to build extremely rich and innovative applications.[5] Android Developers are free to take advantage of the hardware device, access location information, run background services, set alarms, and add notifications to the status bar. Developers access to the same framework APIs which is used by the core applications. The android architecture is designed to simplify the reuse of components; any application can publish its capabilities and any other application may then make use of those capabilities.

III EXISTING SYSTEM

- The earlier system is not fully computerized.
- All transactions in the system are done manually for maintaining records.
- To make this job simple the clients have to computerize the system.
- The management and all the departments that have been carrying out this job using manually makes the job more complicated and tedious most of the times.
- It takes so much time for a placement officer to collect students' details and approving the details provided by them.

So, the best way is computerize computerization of the current environment.

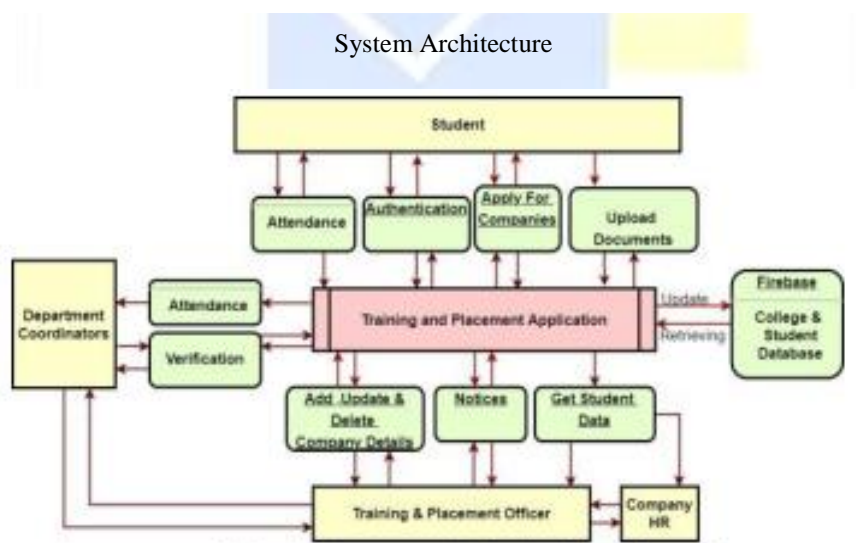
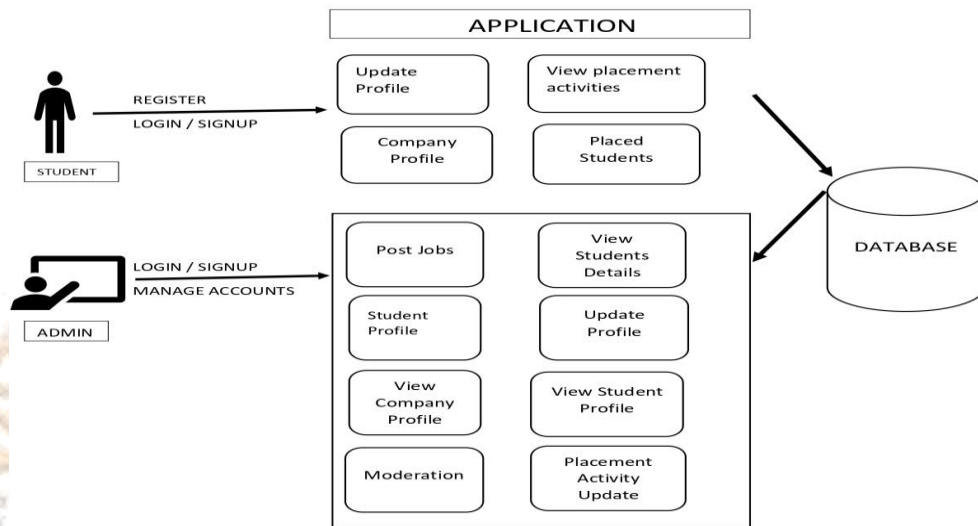
IV PROBLEM STATEMENT

- **Maximum manual work**: in the existing system all the work that is done by human intervention. Humans should do all the work.
- **Errors**: due to the manual intervention there are maximum chances of errors.
- **Maximum human interface**: the interface between the student and administrator is maximum;
- **Time consuming**: due to above problems every procedure becomes time consuming. File system: the records were stored in modified access sheets hence sorting problem.
- **Updating records**: due to above problems the updating was very difficult and ambiguous;
- **Synchronization problem**: there were smaller amount interfaces among student and training and placement department

V PROPOSED SYSTEM

- The proposed Training and Placement cell android application meant to give more easiness to the users that they can add and retrieve information so quickly. There are mainly three types of users they are administrator, student and HR.
- The administrator is the master user; he gets the greatest number of priorities than the other users.
- The different functions involve the case of an administrator are updating, approval, sending information to the students regarding placements. The administrator can view and approve the various application forms.

VI SYSTEM ARCHITECTURE



VII Result Analysis.

Using Android technology, the device achieves campus recruiting, campus updates and notices and other important campus recruitment information along with registration forms for the companies and other basic functions. Additionally, the device interface is not particularly beautiful, and will be further improved and refined in future research and development.

VIII CONCLUSION

The main aim of the Training and Placement cell android application is to reduce the communication gap between Placement Officer and Placement Interested students. Students can update their information effortlessly and independently. Also, the users can access the application in online easily at any time. This application reduces the manual work and tedious accessing of web portal. Since majority of users use android based phones, Training and Placement Cell application is developed in android technology. This application is very user friendly, secure and easy to access by all authorized members. Increasing need of comfort and inculcating all the data at one place has always been a challenging process for everybody. With the introduction of this web-based training and placement portal we promise to make the lives of students and administration a little easier by proposing an alternative for the current system being used. Easy accessibility and functioning of this portal will allow easy management of the allocation process during placement period. With the increasing demand of digitalization in every aspect of day to day activities we can anticipate the great demand for such portals soon and the comfort it will bring with it to the lives of all.

IX. REFERENCES

1. Pooja S Sharma¹, Reshma R. Shetty², Gayatri V. Yadkikar³, Prof. Dhanashri Kanade⁴, “College Automation System”, IJRST International Journal for Innovative Research in Science & Technology| Volume 2 | Issue 10 | March 2016 ISSN (online): 2349-6010
2. Milanpreet Kaur¹, Amandeep Kaur², Ravinder Singh Sawhney³, “Integrated Campus Management System using Cloud Computing”, Special Issue of International Journal of Computer Applications (0975 – 8887) International Conference on Computing, Communication and Sensor Network (CCSN) 2012
3. In 2015, Lalit Mohan Joshi presented a paper on a web-based college management system for engineering colleges and schools based on Java Platform. The program being proposed is user friendly and meets the basic requirements Volume 5 Issue II, March 2017 IC Value: 45.98 ISSN: 2321-9653
4. Nilesh Rathod¹, Seema Shah², Kavita Shirsat³, “An Interactive Online Training & Placement System”, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 12, December-2013 International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue X, Oct 2018- Available at www.ijraset.com
5. Dr. S.B.Vanjale¹, Rahul Kumar Modi², Supreet Raj³, Akshit Jain⁴, “Smart Training & Placement System”, 188 International Journal of Computer Science And Technology www.ijcst.com, ISSN : 0976-8491(Online)

