

# AN ENHANCED PLACEMENT AUTOMATION APP USING ANDROID

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Received: February 03, 2019

Accepted: March 12, 2019

**ABSTRACT:** *This paper aims to develop an Android web application entitled “AN ENHANCED PLACEMENT AUTOMATION APP USING ANDROID”. The main objective of the App was to provide interaction between the students, Recruiters and the Training & Placement Office of an institution in order to automate the placement activities process of the office. This Automation App collects the required student data for registration in campus placement process and notifying the eligible candidates. All minute details such as training activity and placement drives that were happening on the campus could be viewed by the registered user. The users can register their names for training activities and placement drives depending upon their aggregate and eligibility. This automation is accomplished through the android based application. This application can help the placement officers in order to provide the details of upcoming companies. In addition to that the Students will be alerted via an E-mail and SMS notification. It generates reports that provide details including various numbers of students placed in the company.*

**Key Words:** *Android, Training and Placement, Mobile devices, SMS Alert, E-mail Alert, SQLite.*

## I. Introduction

Android is an Open Source Operating System based on Linux Kernel and launched by Google [1]. In Android, there are several ways to store persistent data. **SQLite** is one way of storing app data. It is very lightweight database that comes with Android OS. In Android, integrating SQLite is a tedious task as it needs writing lots of boilerplate code to store simple data. Consider SQLite when your app needs to store simple data objects. Alternatively you can consider Room Persistence Library for better APIs and easier integration [2]. This paper is aimed at developing an android application for the Training and Placement Department of the Institution. The system is an android application that can be accessed throughout the organization with proper login provided. This system can be used for the Training placement officer of the Institution to manage the student information with regard to placement. Students logging should be able to upload their information. Recruiters or Company representatives logging may also access and search any information put up by Students.

**The main objectives of this system:** The students and recruiters need to register themselves for the placement through this application. Once the registration gets successful, a unique user ID and password will be created. A number of well-reputed companies are invited for the On-Campus Recruitment Drive every year and thus the placements of the students are facilitated. Company can gain information about eligible students along with the interested students. This application provides information about the campus details, criteria for the campus, recruitment process.

## II. Related Work

[1] **K. Anand et al.**, Training and Placement Cell is an important part of any educational institute, in which most of the work till now is being done manually. This android application can help the placement officers to provide the details of companies. The students will be alerted through a notification. Once the recruitment process is completed, a list of placed students will be uploaded in the application by the administrator. If any changes is need to be made in the student details the student can make a request to the placement officer. This project will be helpful in faster management of the placement related activities in the college campus.

[2] **ShahajiYadav et al.**, This system is an application that can be gotten to by the understudy through their advanced mobile phone as an android application and the high approved individual (PO, Principal etc.,) through application with legitimate login gave. This system can be utilized as an application for the Placement Officer of the in statute to deal with the understudy data concerning arrangement, get to went to company data, look and apply for employments. This system can be utilized as an application for the Training and Placement Officer (TPO) of the in statute to deal with the understudy data concerning

arrangement and likewise completed the position action. Understudies logging ought to have the capacity to transfer their data as a CV, Personal subtitle elements, and Academic details.

[3]Prof. YogeshThorat et al., An Interactive Training and Placement (ITaP) System automates activities of placement cell provides opportunities to the student to use collective intelligence to rise the selection ratio and satisfaction out process of creation of management information automatically. Enables the resumes, communicating about the various job openings to the student community, controlling the associated relationship for inviting them for the placements as well other activities. It has the features like Integrated Toolkit for Reach-out to Companies Track.

[4] Kanhaiya Chaudhary et al., 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 user-friendly operations which may resolve ambiguity and achieve certainty.

[5] Sanket R. Brahmkaret.al, Training and Placement Cell is important part of any educational institute in which most of the work till now is being done in manual way. The main aim of this project is the automation of Training and Placement cell of SRES College. The system is an application i.e. managed by Training and Placement Cell of SRES College for placement activity. Students can directly apply to the company using this function which will be provided by the system.The application also provides facility of maintaining details of students along with the placement records of the college. There is also facility of communication wall through which user can post their queries and answer them. The project will provide maximum optimization, abstraction and security along with minimum manual work.

III. Methodology

The application consists of three modules are Admin (Placement Officer), Recruiters, Students. After registration of a new user, one is directed to new page, where the complete details of student should be filled. In Proposed work,add some more features (mobile web application, discussion forum, Data Analytics, reports, analysis rankings etc.) than the existing system.Easy way for the placement officer to upload Information andUpdate the details in the student’s database.Students will receive notification (E-mail and SMS) via an android application.Administrator will upload information about the campus recruitment and company detail attached with the link. Placement training cell do not have an android platform framework to build their customized virtual interface and form a self-sufficient, controlled & restricted community.

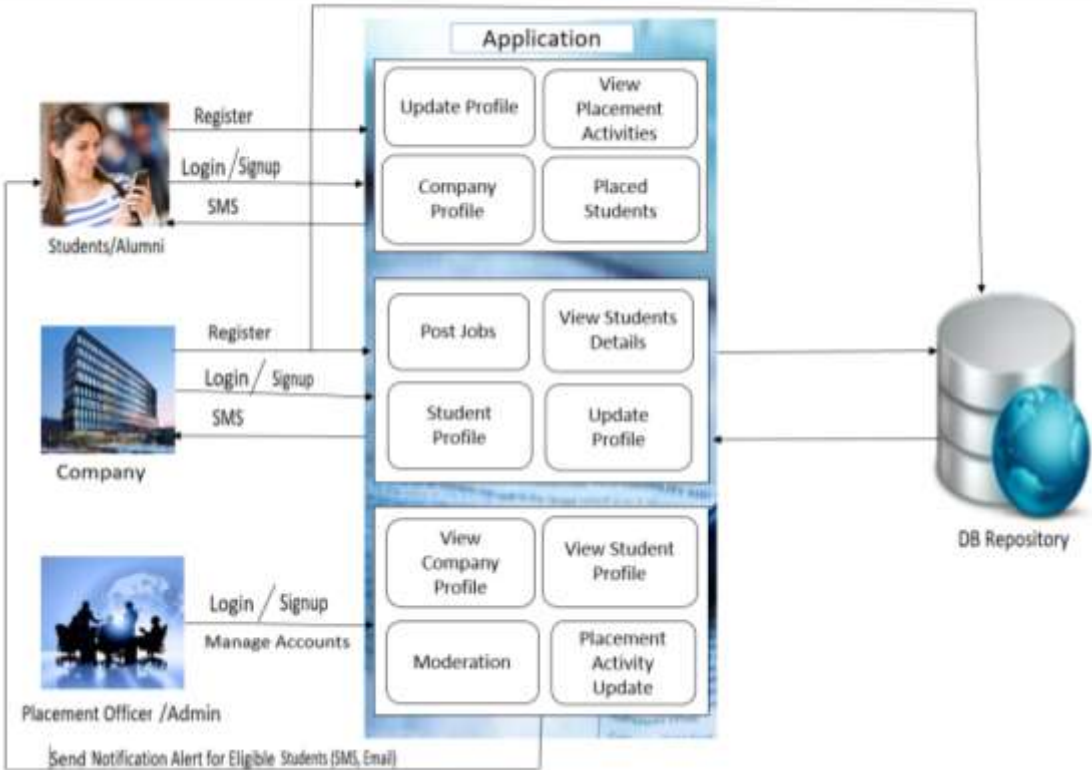


Figure 3.1 FRAMEWORK OF THE PROPOSED SYSTEM

IV. Results and Discussion

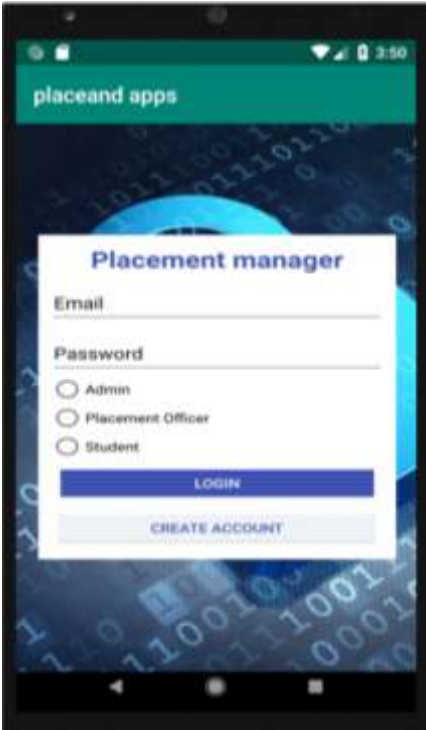


FIGURE 4.1 LOGIN PAGE

In the login page, admin, student, recruiter can be used to login and to create a login account registration page option is available.



FIGURE 4.2 LOGIN ACCOUNT CREATION PAGE

In the Login creation page, user can create an own username and password that can be registered in database.



FIGURE 4.3 STUDENT REGISTRATION PAGE

In the student registration page, Students can register their details in this Application.



FIGURE 4.4 COMPANY REGISTRATION PAGE

In the company registration page, recruiters can register the details of the company, job recruitment process and job requirements.



FIGURE 4.5ADMIN MODULE

In the admin module, an admin can accept students information and company information accurately and manage the selection process. And Displaying current status of upcoming companies and criteria. Admin Provides confirmation to students that they had successfully applied for company or not. Admin Notifies the selected student's status.

## V. Conclusion and Future work

This app gives the mobility and automation to the institutional placement activities. The list of students should be automatically filtered based on the criteria of campus drive. Alumni data can be maintained. It also displays the status of placement activities of student. An Android App that can solve the mentioned problem above in the abstract. In early, we use disparate applications to know the placement activities and as well as student information. In this application there will be efficient interconnection among the users (students and recruiters) and admin. Though this paper provides a better way for the placement department, some more additional features can be added for the betterment of the application in the future.

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