Android Application for Training & Placement Cell

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Abstract— It is difficult for TPO/Staff to inform every student about the training and placement activities. A new notice have to be displayed for every upcoming training activity to be conducted or for a visiting company. Also the students have to visit the notice board everyday to keep them updated with the process. A better way to make the placement process hassle free, easy and effective for the training and placement staff as well as the students is by using the Android application for Placement cell. With the help of this user friendly application, the students can easily check notifications regarding various training and placement activities. They can also view details about the company that will visit the campus for the recruitment drive .The TPO can view, add, update and delete the profiles of students as well as the staff. It can create the eligibility list of students as per the company's criteria. Also, the TPO can easily pass messages to the students as well as the staff. The advantages of the interface would also help the staff members to update the information as and when required. So with the help of this application, everyone can easily stay updated with the training and placement process.

Key words: Android; Training; Placement; TPO (Training & Placement Officer); Company

I. INTRODUCTION

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.

We aim to develop an Android application for the Training and the Placement cell of the college. The main purpose of the project is to ease the process of training and placement. Using this application the students would be able to access the application. There will be no need for them to visit the web-portal for every work. All the important notifications regarding the Training and Placement process would be provided by the application. They would be able to do a number of other important tasks. The students would be able to check the company details visiting their campus, their criteria. They would be also able to update their data as and when required.

Also, the staff members would also be able to provide all the important notifications to the students very easily. The staff members would be able to easily update the required data. The data such as the Training schedule, important dates could be easily updated by the staff members and the students would be informed just by the click of the button. The staff members would also be able to generate a general report regarding the placement as and when required. They would also be able to add student's data and provide them login details.

The main aim of developing an Android application is that majority of the students now use android based phones. Also android based phones provide a very good interface and are very easy to use. Thus, it wouldn't be required for the staff members to learn a new technology all together. Hence, the application could be used with the help of very little training. Thus, a very user-friendly application will be created.

II. LITERATURE SURVEY

As said above, our proposed system will be an android application for the Training and Placement cell of the college which would provide the students an easy way to get all the required information for the Training and Placement activities.

The existing system for Training and Placement is web portal that provides the information to the students. However it is not always feasible to access the portal. Also the portal requires a special host. Our proposed system will be an Android application which will provide the students and the staff of the college to exchange the useful information for the same. The new system will help to efficiently manage the student data.

Different reports and queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters and certifications. However, it is not always easy to access the information which is stored on the server because sometimes the server can be temporarily down.

III. PROPOSED SYSTEM

A. System Modules

The system consists of Android Application for Training & Placement Cell, MySQL database and a Linux Server. The database will be connected to the application using PHP.
Android Application for Training & Placement Cell:

The application will be used by three categories of users: Admin (TPO), Staff and the students. Every user has different set of functionalities.

- Admin (TPO): The Admin can add, update and delete a staff as well as student. It can set the schedule for various training and placement activities. It can inform students about various companies visiting the college campus for recruitment by just pushing a notification. It can generate a list of eligible students for a particular company.
- Staff: The functionalities of staff are similar to that of Admin. The staff can add, update and delete the record of a student. It can schedule various training activities.
- Student: The student can check notifications regarding various training activities as well as for the companies visiting the campus. They can view

their profile and request changes to it by sending a feedback. They can check the criteria for various companies. They can register for companies arriving at the campus.
- MySQL Database: The database consist information about all the students, staff and the admin.

- Server: The database is kept at the server. The connection between database and the application will be done using PHP.
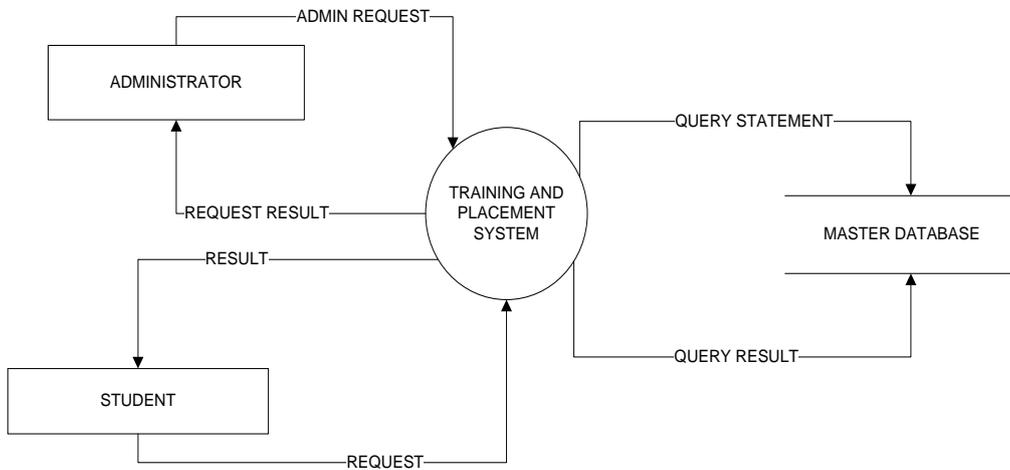
B. System Diagram

Fig. 1: LEVEL-0 DFD

This is the Level 0 DFD which gives us the basic idea about the actors taking part in the overall working of the application.
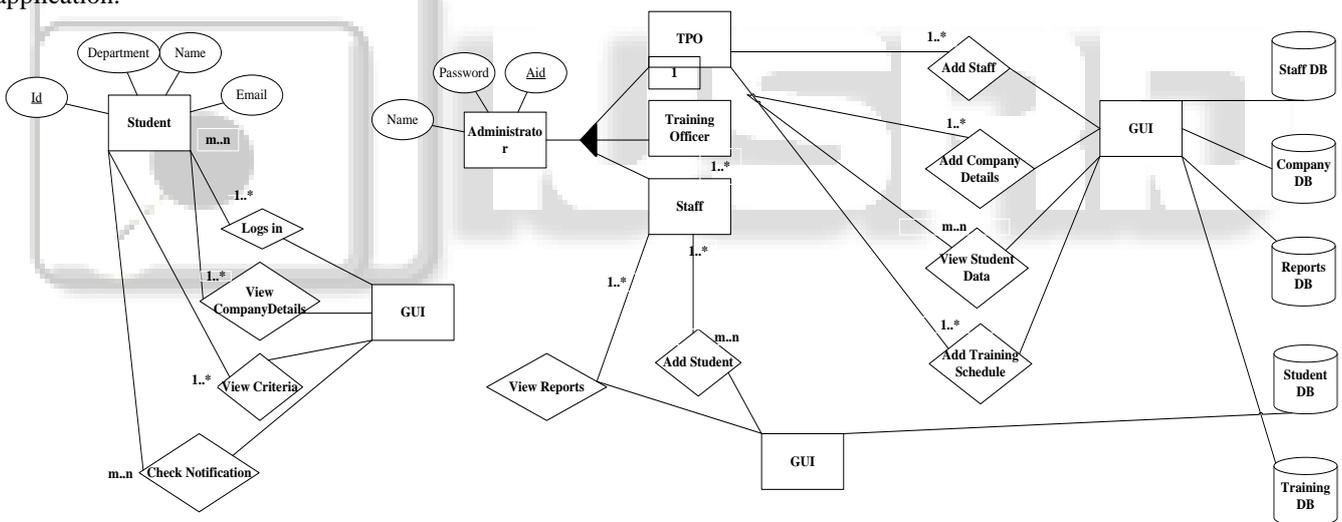

Fig. 2: E-R DIAGRAM

The above diagram depicts the ER Diagram of the application which shows all the possibilities of the working cycle. It reveals all the options and substitutes available for all type of users and even their final destination if they follow any particular route

IV. IMPLEMENTATION

A. Application

The application is build using the Android technology. The android device must be based on version 4.0 or more. MySQL is used as the database on the android based device. The application is developed using Android ADT Bundle and Eclipse as the IDE.

B. Database

The database is present on the server which can be accessed by a person using the application. The MySQL database on the android based device is connected with the database on the server using PHP. Web services are written in order to connect the local database with the database on the server.

C. Tools & Technologies

- Android Studio
- PHP/MyAdmin

V. DISCUSSION

The aim of this project is to develop an Android application for the Training and the Placement cell of the college. Thus, it would help the students to access the important

information effortlessly. The need to visit the portal for every small information wouldn't be there. Also the staff members would be able to provide the information to the students without any problem. The reason behind using Android technology is that now-a-days majority of the people use android based phones. Thus majority of the students would be able to take the advantage of the application. Also a lot of paper work would be reduced. This would in return save a lot of time of the people as well as the effort. Thus it would make the Training and the Placement process very user-friendly.

REFERENCES

[1] Shilpa Hadkar, Snehal Baing,Sonam Wankhede, K.T.V Readdy; College Collaboration Portal with training and Placement; IOSR Journal of computer Engineering.
[2] Hitesh Kasture, Sumit Saraiyya, Abhishek Malviya, Preeti Bhagat; Training and Placement Web Protal; International Journal on Recent and Innovation Trend in computing and Communication.
[3] S R Bharamagoudar, Geeta R.B, S.G Totad; Web Based Student Information management System; International Journal of Advanced Research in Computer and Communication Engineering.
[4] Nilesh Rathod, Seema Shah, Kavita Shirsat; An Interactive Online Training and Placement System; International Journal of Advanced Research in Computer Science and Software Engineering.
[5] http://dazeinfo.com/2014/08/20/apple-inc-aapl-ios-8-google-inc-googl-android-l-growth-difference-ui-ux/.