NIE PLACEMENT HUB

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Abstract – *The project is aimed at developing an android application for the "NIE PLACEMENT HUB" of the college. The system is an application that can be accessed and effectively used throughout the college with proper login enabled and managed by Training and placement officer for placement activity. Student logging should be able to upload their personal and educational information in the form of resume. TPO will feed the company criteria and provides notification to those students who are applicable to attend that particular company's placement drive and student have an option to accept or reject for particular company's placement drive. The system provides the modules like few website links to help students in preparing for placement, the statistics of the placement i.e. the number of students placed in a particular branch wise and year wise. The details of the company which are visited for particular year. Overview of training culture. 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.*

*Key Words***: Training and Placement Officer (TPO), Android, Smart Phone, Database server, Web server**

1. INTRODUCTION

Placement is an integral part of every student's career. The use of smart phones, internet and World Wide Web revolutionized the provisional of information and the amenity for the user to take action on information gained. The use of internet enables the user to manage the placement process.

This system is an application that can be accessed by student through their smartphone and highly authorized person (TPO) through desktop as web application with proper login provided. Through this system can be used by TPO of institute to manage the student information with regarding to placement and also carried out the placement activity [1].

A major part of work is done by the TPO, which is to collect detailed information about every student and store it in their database. Also necessary changes like updating the list of placed and unplaced students is equally important. Currently all this is being done manually, i.e. using Google sheets. Every time a company comes for its placement drive, the Google

sheets need to be filled and updated which is an act of redundancy. When the number of students increases, it becomes a tedious work for the officers to do this data management work manually. Hence it is extremely vital to automate the system and make it more interactive for the students, which can be done by designing an android application.

1.1 Problem Statement

Now a day, student joins the college for better education as well as for better placement for their future. So placement activity takes important role. In existing system all the operations are done manually. This is so tedious and time consuming. This process increase when number of users increases and also fake entries can be there. System is more error prone and time consuming. Difficulty in managing data of students. Large files of records are to be maintained. Placement officer has to collect the information of various companies who want to recruit students and notify students time to time about them. It is a time consuming activity of managing , updating and informing specific branch for specific company requirements[2].
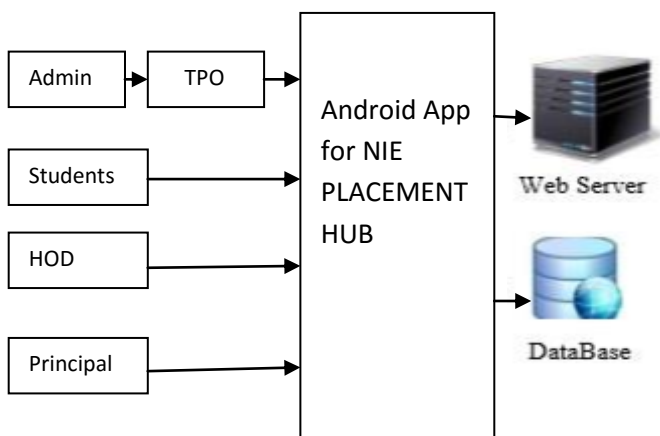
1.2 Proposed System

This project is aimed at developing an Android application for the Placement Department of the college. Once user opens the Android application, in the front end all the schedules are available to everyone. There are four types of users they are Student, HOD, Principle and Placement Officer of the college. Various functions that are involved in the case of an TPO are updating, approval. The TPO can view and approve the various application forms. There is no need of multiple data entry when the registration for visiting companies. Students get notification about the company visiting them and if eligibility criteria are satisfied, they can apply to company by just pressing an apply button. Each user is provided with different feature and authorization. The Placement Officer can give their approval to edited information prepared by student. In addition, Placement Officer can search the eligible student based the company criteria and generate list. Also system can send an automated notification to eligible student. They can see the information provided by the student like personal details, educational details or other information. They put schedules and notice on notification that the user can view.

The proposed Android Placement system is intended to avoid all the drawbacks of existing system. It will add some more features to existing system. The proposed Android Placement system is a cost effective way of carrying the process in an automated manner which was previously done manually in the existing system. This helps the organization to win the war in the existing competitive world.

2. SYSTEM OVERVIEW

In the android application there are following modules and their design details are as follows

Fig -1: Block diagram

Role of User in the system:

Training Placement Officer

Training Placement Officer (TPO) is the administrator plays an a important role in the project. TPO can accept student information correctly and manage selection process. TPO is able to upload the required material for the student. TPO can feed the notification about the events that will be conducted by training and placement cell, also about upcoming company. TPO can send the notification to the students who eligible as per the company criteria. System will retrieve the list of students based on the company Criteria and send it to the company. TPO can generate report of the students department wise. TPO send notification of shortlisted student for further round. TPO send notification to principal, HOD and student about number of student placed in particular company.

Students:

Student logging should be able to upload their information in the form of resume. The key feature of this project is that, it is a onetime registration in the App. After registration will get verified by the administrator. A registered student can directly login using username and password, further view the company recruitment notification details if eligible the company criteria. Student will get the notification which is feed by TPO.

Principal and HOD

Principal will receive the notification which is feed by the TPO such as company visiting information, number of students placed in particular company , number of students placed by branch wise and statistics of the placement [3].

2.1 DATA FLOW DIAGRAM

A data flow diagram is a graphical representation of the "flow" of data through an information system, modeling its process aspects. Often they are a preliminary step used to create an overview of the system which can later be elaborated. DFD's can also be used for the visualization of data processing.

A DFD shows what kind of information will be input and output from the system, where the data will come from and go to, and where the data will be stored.
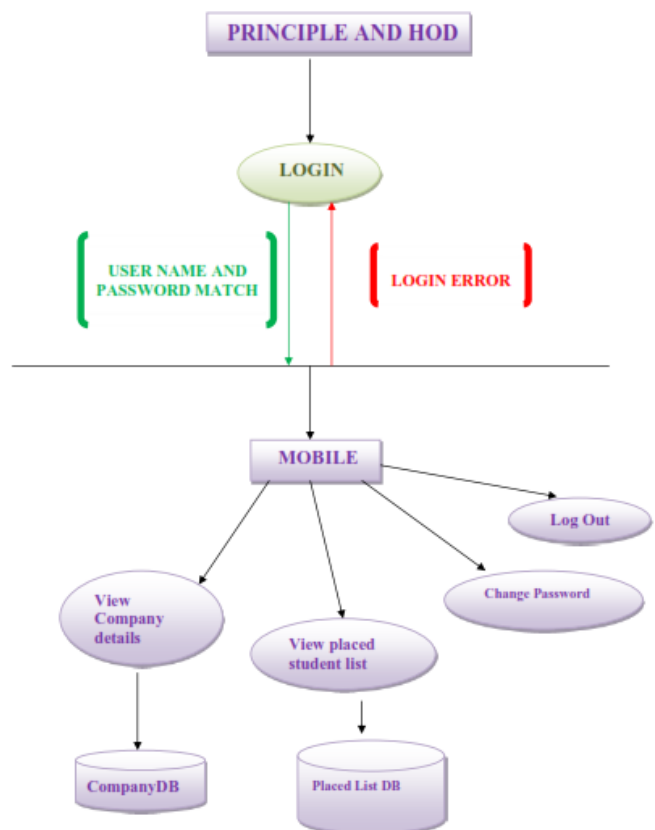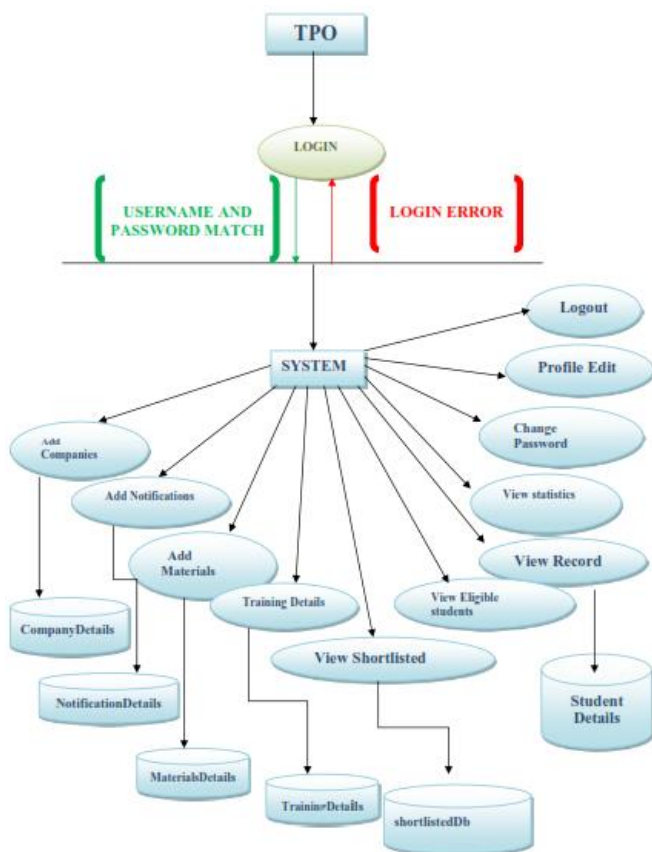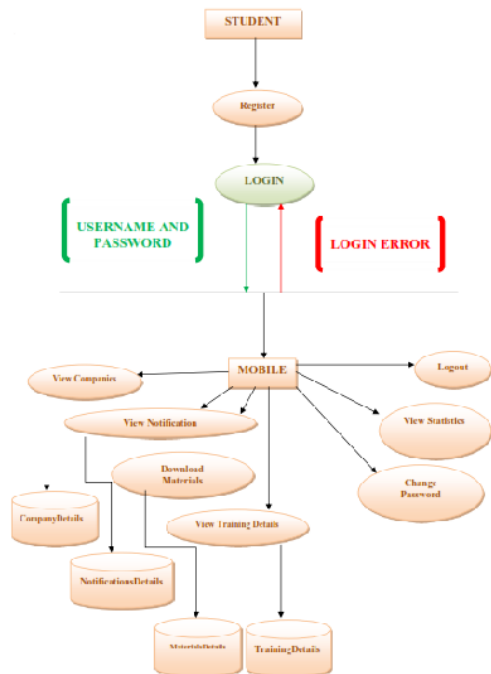

Fig – 2: DFD for Principle and HOD

Fig – 3: DFD for Training Placment officeir

future. It can further be enhanced by introducing Data Mining that will automatically predict future placements and statistics in a hypothetical manner.

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3. CONCLUSIONS

In all, automation has proved to be a boon in the field of technology. The customized application for placement will provide flexibility, robustness and reusability even in the