Placement Web based Application

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Abstract— Placement is the critical part of any educational institute in which most of the work is being done manually. The aim of this system is, making a Placement system which wil include minimum manual work and maximum optimization, abstraction security. This is the web application which will help students as well as the companys to carry out each activity in this department. This work presents web portal designed for managing placement data. The objective of this application is to develop a system that can be used by placement cell of a college.The purpose is to design a system that provides functionalities to perform the activities related to placement services. It is based on complete modular architecture. This modularity of the architecture will allow us to replace or add modules in the future as a way to enhance a particular feature of particular situation

I. INTRODUCTION

Placement Management system is an web application where the students,company and the college admin will be logged in into one centralized system. Each one of them has to register to this web application. Later the students have to upload their information and also upload the resume. The resume will be given ratings and also asked for more improvements if needed.

Companies willing to conduct the campus placements will upload their information including criteria.Then the students eligible for the particular company will be given notifications through mails and SMS. Through these notifications the students eligible for the company will get to appear for the aptitude round of the company which will be conducted in this web application itself by the company.

Later the students clearing the aptitude round will get notifications about the further rounds. Thus through web application the workload of the TPO is optimized and even the manual work of the TP cell is reduced. Also the details of the students will be handled properly and there is no need to maintain papers and do the paperwork.

In this project basically, we collected data from Kaggle source, Data is provided on the individual level where dataset consist of observation of each member in the household, so we have created household data from the individual, and apply that features to machine learning model.

The rest of the paper is organized as follows. Section II explains the related work; Section III explains the methodology; Section IV discusses the implementation details; Section V discusses the experimental results and Section VI concludes the paper.

II. RELATED WORK

The proposed Android App for Training and Placement is an Android Application which aims at making the registration procedure for students for trainings and placements in campus easier. This Application provides an easy way to TP head to keep track of training and placements of all the students and saves loads of manual work. This Application makes modifying records easier by both students and TPO and provides updated information about the current trainings and placements status in campus. The proposed work is intended to do following:

1.Online Registration: Earlier the job of registration was done manually in college by passing the registration form to the students. But it took much time and also more paperwork was needed to be done. So the major need was to do the make the registration work in college online.

2. Administrator: The work of administrator will be to view the candidates which have registered and also the candidates who have registered for the application and give appropriate lists of candidate who are eligible for a particular by finding out qualification details through registrations.

3. Automatic Calculation of student marks: The Calculations of students percentage was done manually and fed into the access sheets. So there was always a need for the automatic calculation of student marks average/aggregate.

4. Structure of departmental data: Earlier the data was stored separately for classes of each department and the problem of searching that data was time consuming and as well the repeated data could occur. So there is a need for a centralized management of data.

TP head will provide the approval and confirmation to the student through emails. They validate email on the basis of the information provided by the student through automated email system. The information provided by the student can be seen by the TPO. Online notices regarding schedules are also provided by them.

III METHODOLOGY

Students need to install this web application in their mobile phones. Later the interested students for placements will register their names and by filling their information. Also resume of these students will be uploaded. The uploaded resumes will be given ratings and asked for improvement if needed. After that the companies interested to held placements will enter their information in the site and then the students elibility criteria will be seen and the students
Eligible for the particular company will be notified.
Thus the students clearing the rounds will also get further notifications. Even the company will be able to carry out the

aptitude test in this same web application. The company also can enter the updates regarding their changes in this web application.

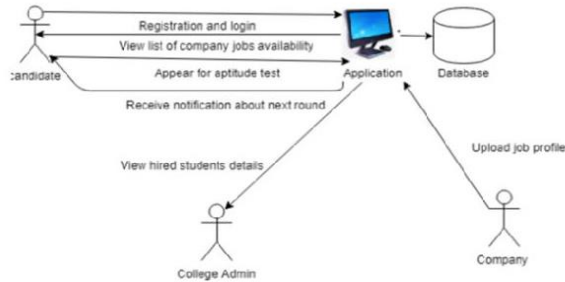Thus for theses the students need to maintain with then the android mobile phones.

Fig 1 Work flow

From Figure-1 Work flow consist of following steps:
i. User that is the students from the college needs to install application on their mobile phones.
ii. After that they need to register to the application and upload their resumes.
iii. The company will update its criteria about their recruitment process.
iv. Thus candidates eligible for particular company will be sent notifications about their rounds of recruitment along with their date and time.

This paper presents a placement management system for campus recruitment in college, which can help college placement office to match the companies and students with higher precision and lower cost. We are mainly focusing on profile matching and preference-list-based two sided matching for further recommendation. With regard to profile matching, three kinds of matching methods (i.e., semantic matching, tree-based knowledge matching and SMS-based query matching) are integrated according to representations of attributes of students and companies, and then the profile similarity degree is acquired. Another focus is to provide two-sided matching from the perspective of central bureau (college placement office). Based on profile similarity degree, the preference lists of companies and students are calculated, which serves as the input of two sided matching. With the loop matching triggered by the information of SMS-based query &interaction, the matching results would be further optimized and provide more effective guidance for recommendation. The new system embedding SMS-based interaction can raise the matching degree, shorten recruiting period and reduce cost. Furthermore, this recommendation service not only is applicable in the field of campus recruitment, but also can provide a framework for the field of mobile business with the extension to other domains such as
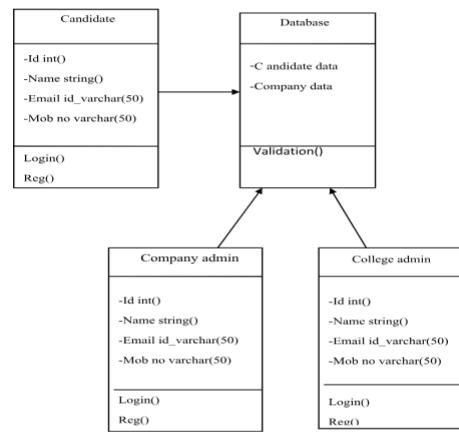
Hospital-intern and college student.

Fig 2 Class Diagram

With the development of modern information and communication technology, mobile business grows fast in various forms and it focuses on attracting new customers in the mobile web markets. Examples of these services include mobile tourist guides, shopping guides for consumers, emergency service for disabled people, etc. The mature market environment provides a great opportunity for mobile business development. In order to deal with those actually practical issues, we are trying to design a campus recruitment recommendation system for college placement office by making use of SMS strengths with the purpose of providing the most suitable students (companies) information for companies (students). Compared with email system, SMS has the advantages of real-time response, lower cost for user interaction, mobility and prevalence. Compared with phone calls, SMS can be used to interact with several users simultaneously, enquire private information, and also be convenient for students who are having classes or meeting. So the SMS-based mobile recommendation system can enhance the matching accuracy, shorten recruiting period for companies and reduce costs.
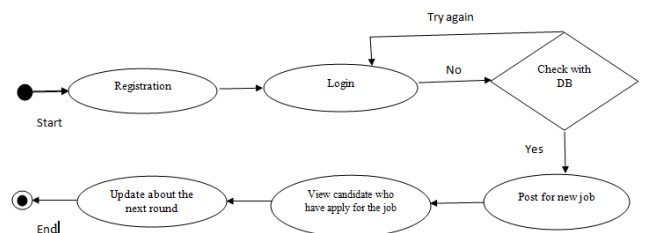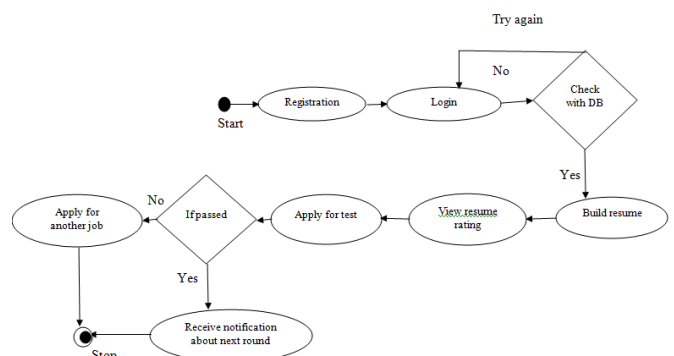

Fig 3 Company Flow for student

Fig 4 Candidate Flow

In the placement management the candidates, company and admin are the three important modules. In which very first step is to install the application in the student's mobile phones. These students later have to register to the application and upload their resumes on the given sites. When this part finishes the companies which are going to come to the college for campus recruitment will upload their job descriptions and information about their campus recruitment process. Then the admin module will start verifying resumes of the students and which student fits in which criteria of the company they will see and identify. Later the students which match the criteria of company will be sent messages, emails and SMS on their mobile phones.

The messages will be sent through SMS because students mostly ignore mails as it takes a long procedure to login through mails.

The students thus will be sent the notifications and accordingly can come to placement process. Thus the students non placed will be given first preference and also the placed students according to their package will be allowed to sit for company with higher package only, so that everybody gets an opportunity to get placed.

IV. RESULTS AND DISCUSSION

The placement management web application will make the placement system online of the particular college, Which were earlier done on paper. Thus do to this each module in the placement system will have the helpful effect.

The student will not have to register again and again for each company or link will be provided then for their aptitude tests and also their resumes will properly get build and improved. The companies will give their information to TPO and will directly upload it on the website and thus the guides will be solved then and there itself.

Admin will of view the candidate profile and selected the candidate which fit in company's criteria and thus make the work of TPO easy to a great extent.

Also details of all candidates will be kept safely and there will be no hectic work of handling papers and no problem of paper getting misplaced. Thus system will become a 6 centralised system resolving the problem created to placements of a collage.
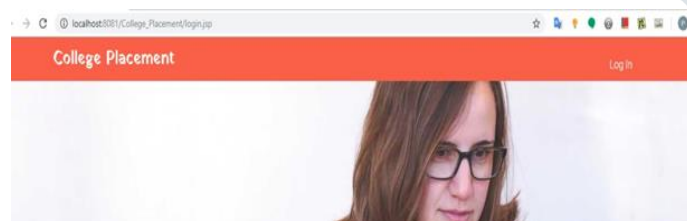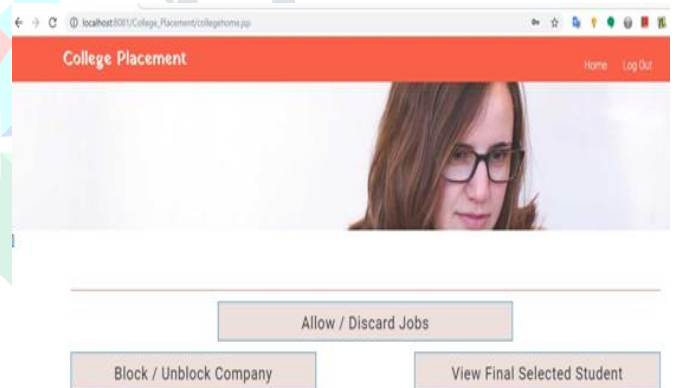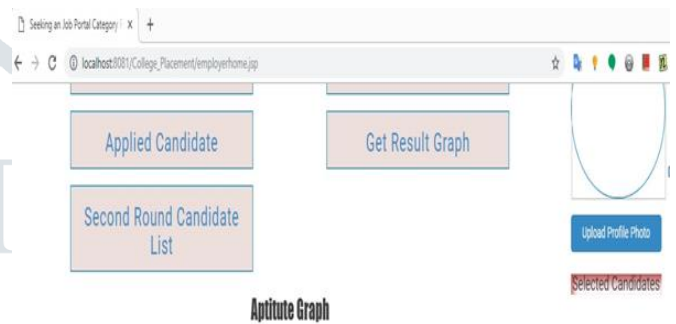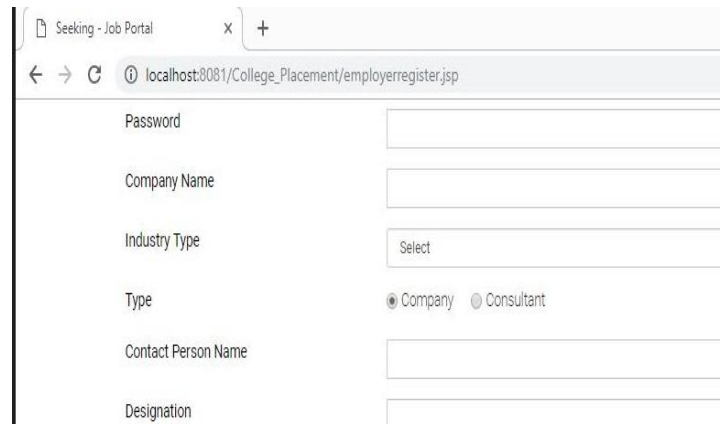
V. CONCLUSION AND FUTURE SCOPE

In the existing Placement system, maximum work goes manually and is error prone system, takes time for any changes in the system. The big problem is of searching, sorting and updating of the student data and no notification method is available for giving information to students except the notice board. Placement management system gets automated online registrations; online communication between the users can be done, and gives online feedback. The admin can see the user's information and will validate it, generate the student list on the basis of company criteria, company details can be provided to the user, searching and sorting can be done, and reports will be generated. Student data is maintained in system. Overall, all the process of the training and placement department is automated.

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