Web Based Event Management System using Android

Priyanka PungaoKar¹, Aboli Dudhe², Durga Shete³
Department of Computer Engineering
Flora Institute of Technology, Pune, India

Abstract:
The aim of this project is Automation of Training and Placement unit of FIT (Flora Institute of Technology, Pune). The project will include minimum manual work and maximum optimization, abstraction and security. This is an android application which will help students and Training and Placement Officer (TPO) to carry out every placement related activity. The system can be accessed throughout the FIT organization with proper login. It is used by the TPO to manage the student’s information and fast access in placement related activities such as applying for drive. Students logging should be able to upload their information. The key feature of this project is that it has a chat room, where queries asked by students can be solved by higher authorities. This system provides a requested list of candidates to recruit the students based on company’s criteria. Students will get notified when staff member upload study material or any campus drive information, through this system.

Keyword: Updation, Broadcasting message, Real-time, Chat room, Automation, Notification

I. INTRODUCTION

The use of the Internet and the World Wide Web has revolutionized the provision of information and the facility for the user to take action on the information obtained. Use of the Internet to enable students and companies to manage the placement process with the active involvement of the Training and Placement Officer (TPO). This led to a unique android-based placement management system named as “Campus Katta”. Campus Katta provides information on placement drives and technical skills or personality development workshops so that students may view and assess their opportunities. Campus Katta is an application to facilitate students in FIT to register, search and apply for jobs.

The users can access easily to this and the data can be retrieved easily in no time. In the student registration form, we can give personal details, educational qualifications, and professional skills and upload resume. The job details of the placed students will be provided by the administrator.

The job provider and the training and placement officer to take effective actions on the web as a follow-on from the information they have viewed. The administrator plays an important role in our project. He provides approval of student registration and updation. Campus Katta is an application to facilitate students in FIT to register, search and apply for jobs.

II. EXISTING SYSTEM

In the FIT (Flora Institute of Technology) existing system lead to many problems. These are as follows-

Problems in Existing System

• Maximum Manual Work: All the work that is done until now is done by human intervention.

• Errors: Due to which there was maximum chances of errors.

• Maximum Human Interface: The interface of student and administer is maximum;

• Time Consuming: Due to the above problems every procedure becomes time consuming;

• Updating Records: Due to above problems the updation was very difficult and ambiguous;

• Duplication of files: Due to updating, duplication of records was usual hence data redundancy;

• Synchronization problem: There was less interface between student and Training and Placement department;

• No Alumni record: There was no record maintained of the past students;

• Less Communication: There was less communication between past or present student with the Training and Placement department

III. PROBLEM DEFINATION

The existing system is doing all the processes manually. The administrator should refer all the records kept for years ago to simply no details. This is tedious and time consuming. This process is so difficult when the number of users increases. There are a lot of limitations for the existing system. In manual Training and Placement all the work that is done at FIT (Flora Institute of Technology) is by human intervention due to which there is a maximum chance of errors. The interface of student and a TPO is maximum which makes the system time consuming. At FIT the records are stored in modified access sheets hence sorting is a problem. The files are not stored hierarchical format hence searching is a big problem due to this the updation is very difficult and ambiguous this leads to the duplication of records, hence data redundancy; The system now at FIT Training and Placement department could not take...
acknowledgement from the students attending to particular event hence lots of confusion at the last moment. There are fewer interfaces between student and Training and Placement department. There was no record kept of the past students. There is less communication between past or present student with the Training and Placement department.

IV. PROPOSED SYSTEM:

The proposed Campus Katta meant to give more easiness to the users that they can add and retrieve information quickly. There are mainly three types of users they are administrator, student and recruiter. The administrator is the master user; he gets the most number of priorities than the other users.

The different functions involve the case of an administrator are updating, approval. The administrator can view and approve the various application forms. Students can register and view the details. The recruiter can view the details of the students and can approve or reject their applications.

The proposed system is intended to avoid all the drawbacks of existing system. It will add some more features than the existing system. The proposed Campus Katta system is a cost effective way of doing the manual processes done in the existing system. This helps the FIT (Flora Institute of Technology) organization to win the war in the existing competitive world.

The proposed system is intended to do the following:

• **Online Registration**: Traditionally the job of registration was done manually at FIT by passing the registration form to the students. But this was too much time consuming and also erroneous. So the major need was for the automation for registration through online registration by students themselves.

• **Security For Administrator**: The files in which the data is stored is stored in Access file sheets that too separately for each class of department; so the files could be accessed by any one accessing the computer. These files may be ‘confidential’. So there is a special need for security.

• **Automatic Calculation of student marks**: The Calculations done until now was performed manually and feed into the access sheets. So the need arises for the automatic calculation of student marks average/aggregate.

• **Optimized Sorting of data**: The modified access sheets were not that efficient as, when we want to select students having 2 ATKT then the student with 0, 1, 2 ATKT were select whereas required result is only of 2 ATKT.

• **Hierarchical Structure of departmental data**: As mentioned earlier the data was stored separately for classes of each department the problem of searching was time consuming and as well as the duplication could occur. So there is a need for a centralized hierarchical structure.

• **Instant Notification to the student**: The only method for notification until now is by notice board which is not reliable. To countermeasure this problem the notification can be send by E-mail and mobile sms.

• **Alumni Data Base**: The alumni data is insufficient and is out of reach of the students. So the proper method to employed to store the alumni data.

V. SYSTEM OVERVIEW

[Figure 1. System Architecture]

**Role of User in the system:**

**TPO**: TPO is the administrator of this system. TPO can be a TPO for Engineering, Polytechnic and Pharmacy. TPO is able to view the student details of all departments. TPO is able to upload the required material for the student. TPO can communicate with the Students, Principal, HOD and Departmental coordinator through communication wall. TPO can feed the notification about the events that will be conducted by the T&P cell, also about upcoming company. TPO can send the email to the students who will be eligible as per the company criteria. System will retrieve list of students based on the company criteria and send it to the company. TPO can generate report of the students department wise. TPO can sort the information based on the requirement.

**Students**: Once the student has logged in, they can create and edit their profile. They can handle their profile by putting all the information. They create the profile by entering their personal, academic information, and also can upload his/her resume. They will come to know about forthcoming company through notification and student can be apply to the Company if student is eligible according to their criteria. Student can also view, download the visited company aptitude question paper. They can communicate with the other users through the communication wall. Student will also get the notification which is feed by the TPO.

**Principal**: Principal can be of engineering, polytechnic, Pharmacy College. Principal can view the student profile of respective branch. Principal can download the student resume. Principal can upload the data. Principal can communicate with other user through the communication wall. Principal will also receive the notification which is feed by the TPO.
HOD: HOD can be of engineering, polytechnic department. HOD is able to view the student’s profile of the respective department. He can download the student resume. HOD can communicate with other users by making use of the communication wall. HOD will also receive the notification which is feed by the TPO.

Alumni: Alumni can register to the system. Alumni can participate in communication wall for communication with other user. Alumni can upload data like important documents, question papers etc. Alumni will also receive the notification which is feed by the TPO. Departmental coordinator: One authorized staff can register to the system. He can fill the information required for validation. The Staff members can upload or download the material/data required. Staff can upload the information. Coordinator can participate in communication wall. Departmental coordinator can view the notifications that are feed by the TPO.

Chat Room:
- Queries asked by students can be solved by staff members or TPO.
- Higher authorities can create group for communication with students.
- Members of group can share their ideas or queries related to aptitude or campus drive.

VI. ALGORITHM

Naive Bayes classifier: By using Mahout Implementation of the Naive Bayes algorithm to build a document categorizer. The Naive Bayes algorithm is a probabilistic classification algorithm. It makes its decisions about which class to assign to an input document using probabilities derived from training data. The training process analyzes the relationship between words in the training documents and categories, and then categories and the entire training set. The available facts are collected using calculations based on Bayes’ Theorem to produce the probability that a collection of words (a document) belongs in a certain class.

VII. CONCLUSION

In the existing system maximum work goes manually and it is error prone system. It takes time for any changes in the system. The big problem is the searching and updation of the student data and also no notification method available for giving information to student expect the notice board. It enhances easy communication between staff and students through chat room. It gives the automation in all the processes like Registration, Updation, Searching. It provide the detail solution to the existing system problem.

VIII. ACKNOWLEDGEMENT

It gives us great pleasure in presenting the final project report on “Web based Event Management System Using Android”. We
would like to take this opportunity to thank our internal guide Prof. N. M. Dimble for giving us all the help and guidance we needed. We are really grateful to them for their kind support. Their valuable suggestions were very helpful. We are also grateful to Dr. A. S. Padalkar, Principal, Flora Institute of Technology, Pune, for providing ambience in the college which motivate to us.

IX. REFERENCES


