

# Survey Paper On V-Placement App

Harshal Mungekar<sup>1</sup>, Shriya Namugare<sup>2</sup>, Tejal Jadhav<sup>3</sup>, Prof. Snehal Andhare<sup>4</sup>

Department of Computer Engineering  
<sup>1,2,3,4</sup> Vidyalankar Institute Of Technology

**Abstract-** *Android based training and placement application for campus drive is a System, which automates training and placement activities and provides opportunities to the students, who are eligible according to the company criteria and helps the students as well as the admin to control various activities of the recruitment. This system focuses on collecting data through google forms and making it easy for the admin to retrieve the student data at once. Activities include collecting the resumes, providing notifications about various job openings to the students according to the eligibility and company criteria, managing and inviting the companies for the campus recruitment, classifying the data from the resume submitted by students. Observing and controlling the progress of the selection process and communicating with different eligible candidates via SMS or email notification. The eligible candidates are classified according to company criteria by using Mahout's Naïve Bayes Classification algorithm.*

**Keywords-** Automation, Android, Database on the server, Online authentication.

## I. INTRODUCTION

In the recent years, online content had been playing a significant role in affecting the user perceptions. Large number of students are active on various social media accounts. In every student's life mobile plays an integral role. With changing time, the students expect the system to be user-friendly. As world is rapidly adapting technological development, this development is on larger scale in Information Technology. Students are now flexible using android application rather than websites. An android application is a software application running on a android platform. Because the android platform is built for mobile devices, a typical android application is designed for a smart phone or a tablet PC running on the android OS. Although an android application can be made available by developers through their websites, themselves most android application are uploaded and published on the android markets.

As the system has been proposed for the college placement. Students of the college face many difficulties as they have to fill many google forms for each and every company and also keep updating about the company visiting the campus. Sometimes there is no notification given.

Due to these the students miss out some important information. The system also gives flexibility to the admin to update and to view the student records. The system ensures correct information as well as the data uploaded on the site to be notified to each and every student. This project has major goal that is consummate the fundamental requirements of the admin, students and company visiting to campus for recruitment.

## II. LITERATURE SURVEY

A Comparison of Java RMI, CORBA, and Web Services Technologies for Distributed SIP Applications [10] : In this document the comparison of the titled topics were studied to choose the data exchange technology which is required to fetch the questions from an android application from a database server during the test. Comparison of Web Services, Java-RMI, and CORBA service implementations by N.A.B. Gray School of Information Technology & Computer Science, University of Wollongong [11] : Another document was studied to reaffirm the choice of Web Services implementation for the implementation of the action of data fetching. A SURVEY OF ACCESS CONTROL MODELS 2009[12] : Through this document various different Access control Models ACL, RBAC, ABAC, PBAC, RADAC were studied, compared and RBAC was selected as it suited the requirements of the project where roles and necessary privileges for a user are fixed for life time and as the role assignment is not an ambiguous task. Study on Role-Based Access Control Model for Web Services and its Application [6]: Author: MIN WU, JIAXUN CHEN, YONGSHENG DING College of Information Sciences and Technology, Donghua University. In this Document why RBAC is suitable for Web Services oriented projects was understood as well as the choice of implementing the Web Services for our purpose of Enterprise information sharing was reaffirmed .Web Services Security Architectures using Role-Based Access Control [8] : We studied role-based access control policies for Web Services using Layered Model-driven architectures and Agile modeling security principles for enhancing security requirements. Role-based Access Control System for Web Services[12]: In this document the secure SOAP message and proxy RBAC server system was studied which will be applicable for the need of our project that demands a proxy authentication server residing away from the database server at the product owner's campus. Load Balancing

Algorithms Round-Robin (RR), Least-Connection and Least Loaded Efficiency[14] Author: Mustafa ElGili Computer Science Department Community College Shaqra University Shaqra, Saudi Arabia et al: In this document the comparisons of load balancing algorithms was studied to choose the Least connection algorithm to be implemented as RR was inefficient according to the study in the paper and Least loaded would not be of any use as almost all process requests would be of same type for which time would roughly be same in which case the calculation of time needed for servicing would prove to be just an overhead.

### III. PROPOSED SYSTEM

In existing system, everything is carried out manually and all data is maintained in excel sheet. Maintaining and managing data is difficult task. Admin needs to refer all the documentation maintained for further working and keep the document updated. This is time and money consuming. To overcome these drawbacks of existing system, the proposed system will be developed. Proposed system will provide easy retrieval and updating of data for Admin and easy uploading and updating of data for student also. Once you open this android application, you will get the options like login further categorized as sign in and sign up, upload CV, digital resources, feedback and forum which is user interface provided for students. Admin user interface is also provided in this android application having option as admin login. There are four types of users they are students, training and placement officer Admin, placement coordinator and alumni. The administrator has all the priorities and authorities regarding updating and approvals. The administration can view and approve the resume. Students are further categorized as current students and pass out students. Students can view and update their resume. Students which are eligible according to company's criteria are sent notification regarding company's arrival and rounds to be conducted by SMS or E-mail notification. Each user has different authorities in the system.

### IV. METHODOLOGY

#### A.1. Logging In:

Login for owner: Owner may login through a special interface through a desktop on his server machine.

Login for admin: The adm in will access through data server url accessing at the local machine through a login form which is through desktop browser.

Login for Students: The students may login through their android devices after downloading the application from google play-store. The login ids and default passwords will be generated by the admin and communicated to each student who may then change only the password.

Login for Faculty: The Faculty will login through web browsers on local machines where the data server resides .

#### A.2. Authentication:

All the logins would be authenticated at the server side of the owner

All the student & faculty login will be authenticated on the data server on the local network of the T&P cell.

#### A.3. Creating data base:

The data base will reside at the owners server machine (Data of all the admins) as well as data server on a local machine of the admin cell (Only data of its own admin subscribers).

The data base will also reside in SQLite on the android devices. ( Only the data of the previous logins on that device and their test information, score cards, report cards)

#### A.4. Connection with Database :

JDBC connectivity will connect the data servers and the android devices to parse the question and answers and all data in strings to each other as well as the images in any questions if at all.

#### A.5. Generating ids and passwords:

The Owner will generate ids and passwords to grant it to subscribed institutions

The admin will generate ids and passwords to distribute it to students who may later change their passwords only.

#### A.6. Uploading questions/lessons:

The faculty will upload questions and answer sets over their browser interface

This interface connects to the database with JDBC connectivity and uploads the questions set with their answers.

**A.7. Generate tests:**

The cell admin may generate a test which will execute a java code for random number generation within the range of number of questions available. At this number more questions will be added to the test and the test will be generate out of the vast question bank. This will happen on the local data server of the admin cell.

**A.8 Schedule tests:**

The admin will schedule the tests and the generated test will be served to students only on the scheduled date, time through the android application.

The clock timing of the data server will be used to refer time.

**A.9. Take tests:**

Students will login and take tests only at the scheduled date and time and only for the defined period of time and the data server

**V. CONCLUSION**

The developed system can guarantee the problems faced by the existing system will be solved. The system will ensure flexibility in use. As the system's gui will be user friendly. Also the system has extra features like blog discussion with the alumini's which will help the students to solve their queries. The students will get notified through email and messages. The system also reduces the work load of the admin as now it will be done online which was done manually before. In short, the developed system is reliable, helpful and a well-functional system.

**REFERENCES**

- [1] David A. Freedman (2009). Statistical Models: Theory and Practice. Cambridge University Press, pp. 128- 129.
- [2] Christopher M. Bishop (2006). Pattern Recognition and Machine Learning. Springer. p. 205. "In the terminology of statistics, this model is known as logistic regression, although it should be emphasized that it is a model for classification rather than regression."
- [3] B. Pardo and W. Birmingham. Modelling Form for Online Following of Musical Performances(<http://www.cs.northwestern.edu/~pardo/publications/pardo-birmingham-aaai-05.pdf>). AAAI-05 Proc., July 2005.
- [4] Satish L, Gururaj BI (April 2003). "Use of hidden Markov models for partial discharge pattern classification ([http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?arnumber=212242](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=212242))". IEEE Transactions on Dielectrics and Electrical Insulation.