

## Training and Placement Android Application

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**Abstract**— the existing work of training & placement in Sanjay Ghodawat Institute (SGI) is fully manual process and due to this manual process, management faces many problems for collecting student details. The aim of this project is Automation of Training and Placement unit of SGI, Atigre. 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 SGI 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 decision Forum, where queries asked by students can be solved by higher authorities. Students will get notified when TPO's upload study material or any campus drive information, through this system. Automatic Training and placement is developed to maintain the details of student information, trace the details of student also maintain the information about the company availability.

**Keywords**—Automation, Login, Placement, Android, Smartphones

### I. INTRODUCTION

Mobile Devices these days have become more powerful and distributive; influencing our daily lives on a large scale. Android is the popular mobile -based application development platform.

Use of the Internet to enable students, Training and Placement Officer (TPO) to manage the placement process. This led to a unique android- based placement management system named as "SGI T&P". SGI T&P provides information on placement drives and technical skills or personality development workshops so that students may view and assess their opportunities. SGI T&P is an application to facilitate students in SGI to register, search and Get information about upcoming companies with their Profile.

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 administrator plays an important role in our project. He provides approval of student registration and updating

This paper is organized in following manner. Section I starts with the brief introduction to training and placement project and the need to build it, Section II contains the existing work in the institute related to training and placement. Proceeding ahead, Section III provides problem definition of the training and placement project. Section IV describes proposed system and it includes System overview and algorithm design. Section V describes methodologies which provides details of the project. Section VI shows the comparison between the existing system and proposed system. Finally Section VII concludes research work with future directions.

### II. EXISTING WORK

In the SGI 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 Training and Placement is maximum;

- Time Consuming: Due to the above problems every procedure becomes time consuming;
- Updating Records: Due to above problems the updating was very difficult and ambiguous;
- Duplication of files: Due to updating, duplication of records was usual hence data redundancy;
- Synchronization problem: There was fewer interfaces between student and Training and Placement department;
- No Alumni record: There was no record maintained of the past students;

### III. PROBLEM DEFINITION

The existing system is doing all the processes manually. The Placement Officer 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 SGI (Sanjay Ghodawat Institutions, Atigre) 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 SGI the records are stored in modified access sheets hence sorting is a problem.

### IV. PROPOSED SYSTEM

The proposed SGI T&P 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 (TPO). The administrator is the master user; he gets the most number of priorities than the other users.

- The proposed android application will reduce paper work and storage area.
- It will make work of TPO and students easy to update data and alter data if required.
- This application will also notify students time to time about the companies and other placement related news.
- Also students can practice Moodle and mock test on hand through mobile phones.
- It will also sort list of eligible students according to criteria of companies.

## IV.I. SYSTEM OVERVIEW

### SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems and using the facts to improve the system. System specifies what system should do.

A system is a set of components that interact to accomplish some purpose.

- Identifying the drawback of the existing system
- Identify the need for conversion
- Perform feasibility study

### Role of User in the system:

**Admin (TPO):** TPO is the administrator of this system. 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.

**Co-ordinator:** Coordinator is another user of the training and placement website portal. Once he is logged in to training and placement website, he could access the website to add students and provide them username and passwords. He can also edit the student list and registered students.

Coordinator works under TPO, he has restricted access to website.

**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 applying 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.

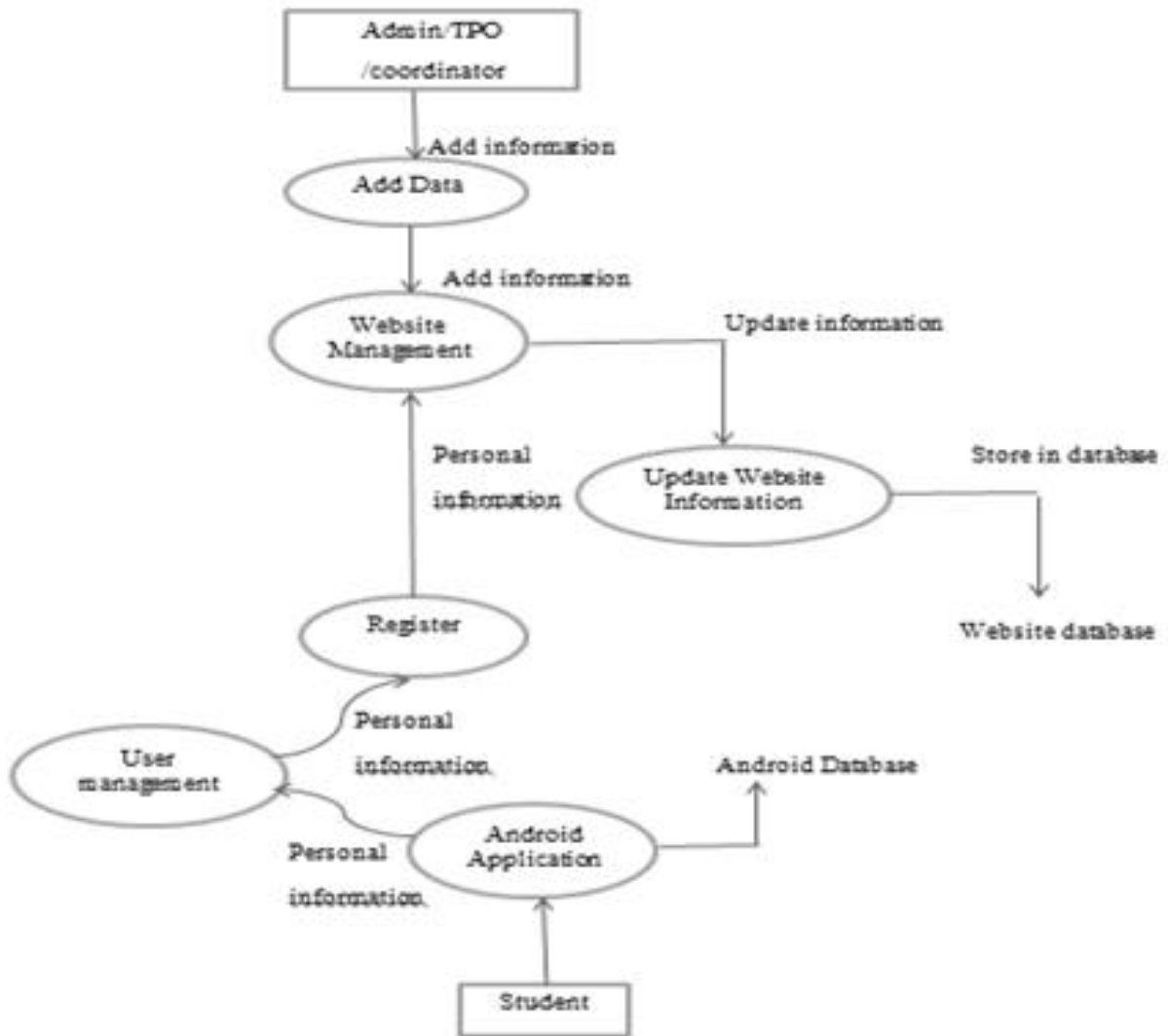


Figure 2. System Architecture

## IV.I. ALGORITHM DESIGN

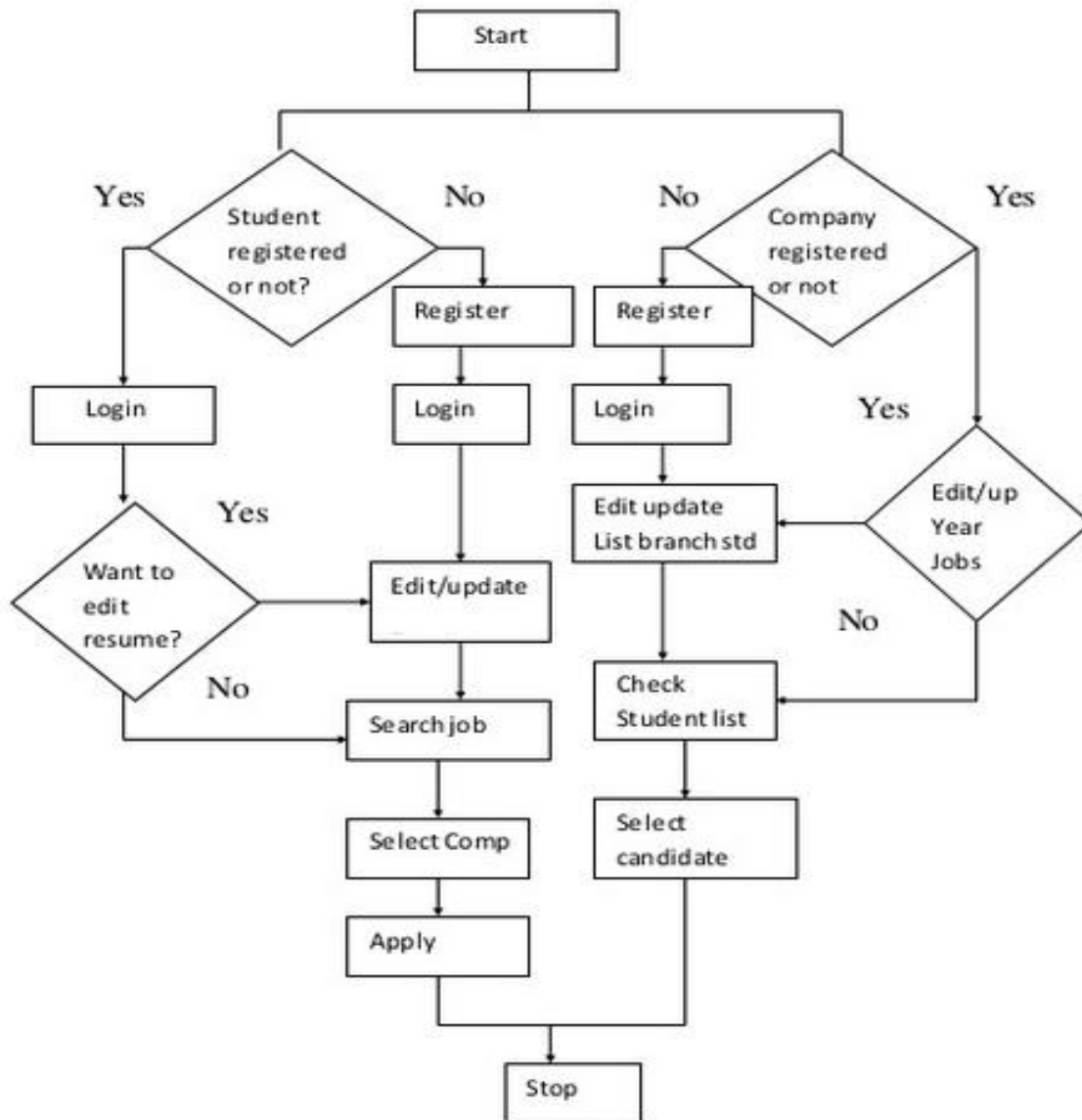


Figure 1. Algorithm Design

## V. METHODOLOGY

- Work in the application will be done in the following way:
  - The categories of resume are decided and uploaded and define it formally.
  - A server is used for storing the resume.

- The front page of the system is created giving a brief description about the system and the login box.
- Statistics of previous year's placements. Current placement scenario.
- A role of approval is also introduced. When the student uploads his or her resume, the approver should approve the document & only then it can be uploaded.

## VI. COMPARISON

Table 1: Comparison between Existing and proposed work

Existing Work	Proposed Work
1. Existing system is totally manual process because of this it is slower.	It uses an android application for automation so that it is faster than existing one.
2. sometimes it gives wrong information	Here, Accurate information is available.
3. Increases work of training and placement officer.	Reduces load of training and placement officer.
4. Limited storage because information is stored in hard drive.	Large storage because of information is store on the cloud.
5. Time consuming process because placement officer need to contact each and every student manually.	Every placement related notification and updates are available on android application so it reduces time.
6. Less security because of paper work.	More security because of an android application.

## VII. CONCLUSION

From this project we conclude that in the existing system maximum work goes manually. It takes time for any changes in the system. The big problem is the searching and updating the student data and also no notification method available for giving information to student expect the notice board. So to overcome this issues we are developing training and placement application. It enhances easy communication between staff and students through Decision forum. It gives the automation in all the processes like Registration, Updating, Searching .It provide the detail solution to the existing system problem.

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## REFERENCES

- [1] Sanket R. Brahmkar, Prof. A. Vinaykumar, "Anroid application for Trainning and Placement cell", International Journal of Advanced Research in Computer Science and Software Engineering, ISSN(O)-2394-4396, Vol-1 , Issue-4 ,2015.

- [2] Mayur Wadje, Yuvraj Madake, Gireedhar Rodge, Shahaji Yadav, "And Interactive Andriod Application for Training and Placement system", International Journal on Recent and Innovation Trends in Computing and Communication", Vol-5, Issue-4, April 2017.
- [3] Prof. Shilpa Hadkar, Prof. Snehal Baing, Prof. Trupti Harer, Prof. Sonam Wankhede, Prof.K.T.V.Reddy, "College Collaboration Portal with Training and Placement",IOSR Journal of Computer Engineering (IOSR-JCE), Vol.16, Issue 2, 2014.
- [4] Mahesh N. Nair, Vinay Hegade, Saumya Omanakuttan, "Placement cell Mobile Training App", Internation Journal of computer Science and Information Technology Research, Vol-4, Issue-1, pp(261-268), Month: January-March 2016, Available at: www.researchpublish.com.
- [5] Prof. Seema Shah Assistant Professor, Mr Nilesh Rathod, "Design Paper on Online Training and Placement System(OTaP)", 2013.
- [6] Akshay Kumar, Sanjay.V. Mahendrakar, Smriti, Vishal.A.V, G.Ramesh" NIE PLACEMENT HUB", International Research Journal of Engineering and Technology (IRJET), Vol-4, Issue-4, 2017.
- [7] J. Horiton "Android Programming for Beginners"

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