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Automatic Placement Management System

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Abstract*: *The current working system in most of the colleges including Sanjay Ghodawat Institute (SGI) for training and placement is fully manual process and due to this process, management has to face problems like delay in collecting student details and informing them about the companies and many more. To overcome this problems we have aimed to develop an automatic training and placement application for SGI that will help management unit to work better in this field and so that every student could get benefit of placement. For accessing this system the students have to install the android application with proper login credentials. Not only the students but also the training and placement officers (TPO) can access this system and manage student details and placement related activities.

Keywords*: Android, login, placement, automatic, application*

I. INTRODUCTION

Now- a-days, people are using mobile devices wide in range. Because of that need of an Android applications is increasing day by day. Android is most popular mobile based application development platform. We developed an android application for placement cell in our college. Use of the Internet to enable Students, Training and Placement Officer (TPO) to manage the placement process.
This project is to facilitate Training and Placement Officer in college to view student profile of placed , unplaced students. The administrator or Placement officer plays an important role in our project. In the student registration form, we can give personal details of each student with their educational qualification details, 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. The users can access easily to this and the data can be retrieved easily in no time.
The users can access easily this application 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.

II. PROBLEM STATEMENT

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.

III. ANALYSIS OF EXISTING SYSTEM

A. Existing system is totally manual process because of this it is slower.
B. During analysis data is collected on the various files.
C. Too much paper work and hard to maintain all the document sheets.
D. Increases work of training and placement officer.
E. Limited storage because information is stored in hard drive.
F. Time consuming process because placement officer need to contact each and every student manually.
G. Less security because of paper work.

IV. OBJECTIVE

A. It is uses an android application for automation so it helps in fast access procedure in placement related activities.
B. The facility of maintaining the details of the students.
C. Reduces load of training and placement officer.

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D. Large storage because of information is store on the cloud.
E. Every placement related notification and updates are available on android application so it reduces time.
F. Time saving
G. Easily finding out the list of eligible students for company training and placement.

V. ALGORITHM DESIGN

A. For Student
1) Go to training & placement application.
2) For accessing benefits register to application.
3) If already registered then login to application.
4) Then he/she can upload resume, solve Moodle and mock test.
5) Here, he/she can able to view the information of upcoming company profile by clicking on view company profile option.

B. For TPO
1) Go to T&P application.
2) Select TPO login from scroll down list.
3) After login he/she can add students and notifications.
4) Here, TPO's can add practice tests and add company profiles.
5) TPO can add achievements and able to generate report according to criteria given by the upcoming company.

VI. SYSTEM DESIGN

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

A. Role of User in the system

1) 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.

2) *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.
3) *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.

VII. RESULT AND DISCUSSION

The earlier system is not computerized. All student information is maintained manually. And poor communication between student and placement officer causes the delay for collecting information of student. For example, in manual process placement officer has to collect student details for placement. Approving those student details takes lot of time. Placement officer and student have to consult each other directly if any information is needed. If any company come for placement, placement officer and his staff have to search the student details and they have to find the eligible candidates for that particular company placement.Here searching for eligible candidate takes lot of time. And sometimes some candidate details may be missed.

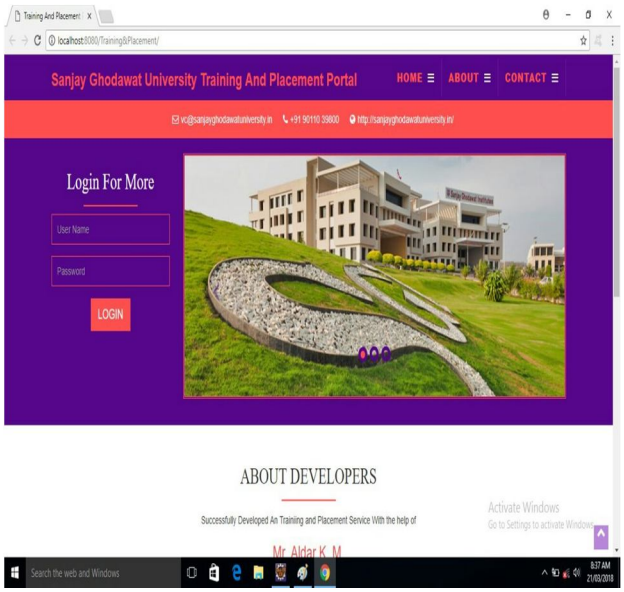
We developed an android application which resolves all the problems of existing process and consumes less time to collect all the details of student. Proposed system is an android has application that can be access throughout the collage and outside as well proper login provided as it is an android application ,communication with placement officer is easy to students, so new placement becomes easy task . Student can know about company details through the details provided by the placement officer.

All the users have the some common services like changing password, updating details, searching for the details, checking for details and reading the material uploaded by the admin if the user is student.

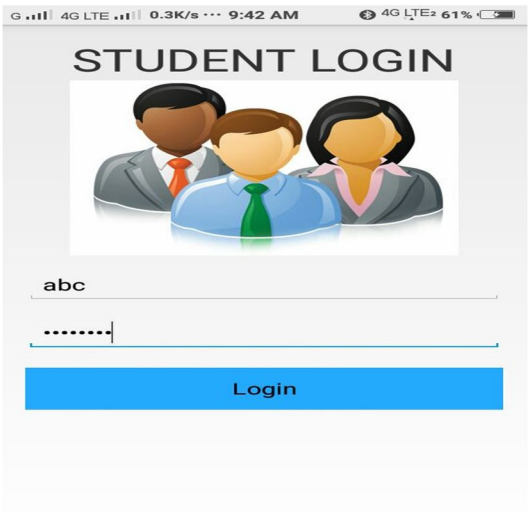
By using this application all process related to placement becomes so easy and user friendly. We are using cloud storage for storing the data related to placement cell. So limitation of space is eliminated and large and unlimited storage is available for use. In existing system, there may be chances of data loss and sometime can not be recovered if hard drive get failed. Here we are using cloud storage so we can recover lost data easily. Our application will helps everyone for their respective work

The Training and placement Application it is accessible to all students, to open this application the TPO can Login their user id and password, This page will show registration and login form. It will also show notification about current feeds. It will show drop down list of various modules.

TPO Login with web application:



Student Login with android application:



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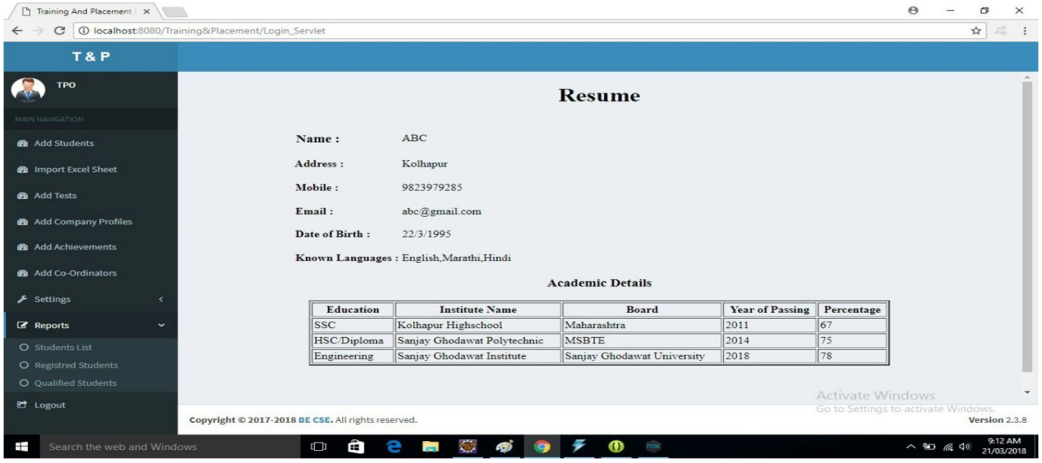
The student can login to application with their user id and password provided by TPO. After login they have to change their password for security purpose.

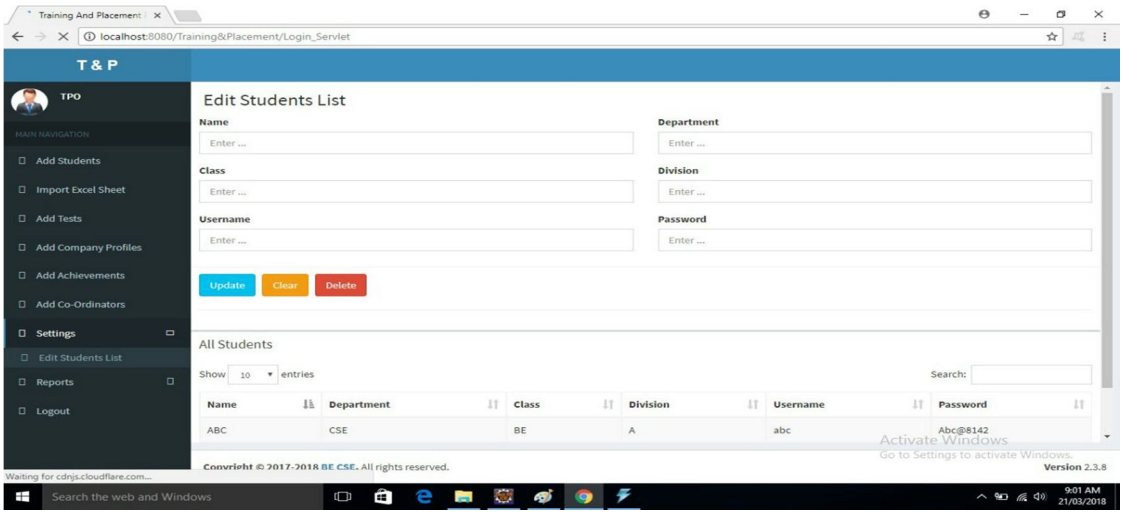
A. Home Page

Here TPO can manage student data according to criteria for upcoming companies and generate reports. He/She can add students details, add test,add company profile etc.

B. automatic Resume Generation



C. Edit Student List



IX. CONCLUSION

Generally the TPO's of the colleges has to face a lot of problems in management of the student information. This all information has to be managed manually. So, there is need to develop an application that can solve the mentioned problem. This application comes with just that solution. Comparing to existing computerized system, it performs at a faster pace. System gives better feedback. Accurate information is available. Provides security to the system & software. Forms are very user friendly. Admin can view for which company student registered. So at last we conclude that this Project will be useful to several Students to search for better jobs and Search for Companies according to their convenience.

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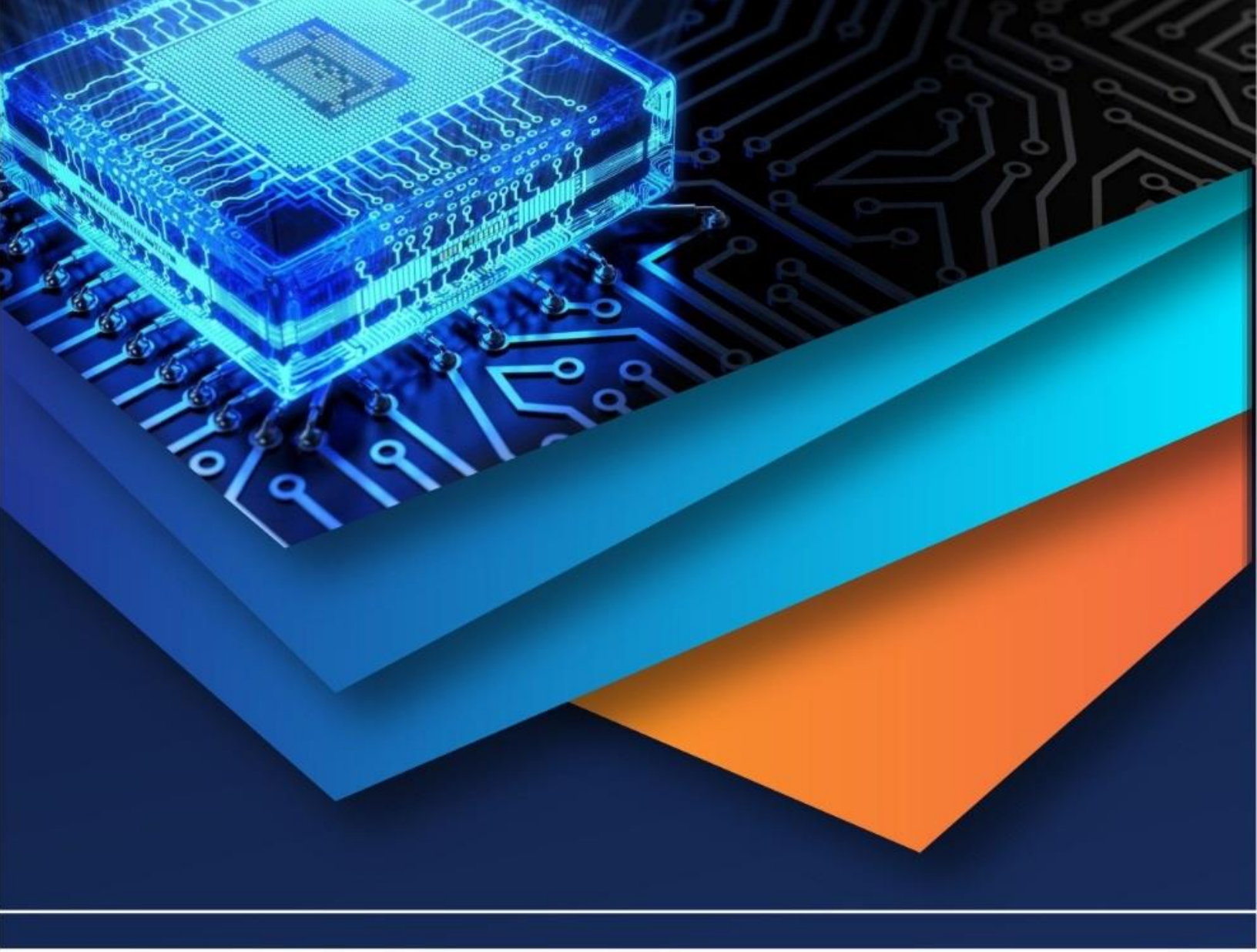

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