

Personal Data Storage and Security using Cloud Computing

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Abstract – The main aim is to develop an online application for the Training and Placement Dept. of the College. The system is an online application that can be accessed by the organization with proper login provided. This system can be used as an application for the Training and Placement Officer (TPO) of the college to manage the student information easily and quickly. Students logging should be able to upload their information in the form of a PDF.

This application can help the TPO to provide the details of upcoming companies and their criteria for selection. The students will be alerted via a notification. After the process is completed, a list of placed students will be uploaded in the application by the administrator. It would be easy for the students to view the details of those who have been selected for recruitment. The number of students placed in a particular company can be viewed by students or the staff at any point of time. If any changes is need in the student details the student can make a request to the placement officer. This project will be helpful in faster and easier management of the placement related activities in the college.

Key Words: Cloud Computing, File Storage

1. INTRODUCTION

Traditionally in a placement activity a company and college form a relation. Then company visits the college and conducts their interviews with students. A lot of data is printed in resumes and result documents. It is a long and slow process. This project is basically aimed at developing an online application for the Training and Placement Dept. of the college. The system is an online application that can be accessed by the students of organisation with proper login provided. This system can be used as an application for the placement officer of the college to manage the student information and company invitation. Students logging in should be able to upload their information in the form of a PDF. Company representatives logging in can search any information put up by Students. The objective of the placement department is to manage the student details, overall academic details, and their technical skills. Once details are submitted, it would be easy for the placement officer to filter the students based on the criteria of the drive and a list of students is made. The system of the training and placement is managed by the administrator.

1.1 Problem Definition

In an existing system, all processes are handled manually and are time consuming. To simply know the details of the student, the TPO refers all the records. This is so tedious and time-consuming and this process becomes more difficult when the number of students increases. There are many limitations for the existing systems. In existing Placement procedure, all the work is done by human intervention due to which chances of error increases. The connectivity issue between students and TPO is maximum which makes whole process time consuming. Long lists of participants are produced for each company, and they had to regularly travel in to review the notice board for any updates. The process was time consuming, valuable academic time was diverted from the activity which can be fast.

1.2 Literature Survey

This project describes the solution for a problem which occurred in existing manual system. The problem in existing manual system is searching and updating of the student details. It would be difficult for the training and placement officer to filter the list of the students based on the criteria of the company drive. The proposed system includes the processes like registration, update, and searching of the student data automatically. There are mainly two users in this system: Training and Placement Officer (TPO) and student. The admin is the master user. Students can register and can also view or edit their academic details or the files they have uploaded. A list of placed students will also be updated automatically by the application.

2. PROPOSED SYSTEM

Our proposed system is a solution for the existing issues. Considering the tasks that are important for TPO and need to be performed efficiently are included in the application. Our concentration is not only on performing bifurcation on data and generating lists according to eligibility but also on providing students with all-round help regarding every activity of the Placement and Training process. The student can update their personal details by logging online to the application. The TPO can check thoroughly and give an approval to the information updated by the student. In addition, the system can search the eligible student based the company criteria and can generate the list automatically.

3. SYSTEM ARCHITECTURE

A system architecture is the conceptual model that defines the structure, behavior, and more views of a system. An architecture description is a formal description and representation of a system, organized in a way that supports reasoning about the structures and behaviors of the system.

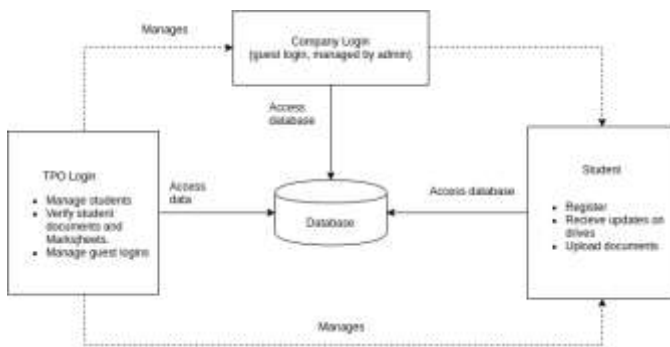


Fig -1: System Architecture Diagram

An architecture for any system consists of system components, that are connected to work together for implementation of the overall system.

Above diagram describes about the system architecture of the main application. It describes about all the components which the system uses which are TPO Login, Company login, Student and the database.

4. CONCLUSIONS

The existing system is not automated, requires paper work and is very time consuming for both the TPO and students. The proposed automated system is efficient and is beneficial for the College. The degree of errors are very less as compared to the existing system. The speed as well as accuracy of process increases. Students can now concentrate more on academics and improve the academic result. TPO can invest time in developing relations with more companies to recruit students, which can result in improved placement record. The system is capable to keep the records secure which is stored in the database. It generates reports which contains details of the students which also contains the details of students placed. The analysis of students which are recruited by the company will be made available in this application. This project provides a better and faster way for the training and placement department. The list of students should be automatically filtered based on the criteria of campus drive and can be saved in a separate file.

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