Abstract— Cloud computing has become a technological trend in recent years. Here we are going to integrate different colleges in same campus using cloud computing which will not only be helpful for campus management but also for students. The system will act as a mediator between students and companies which will provide the required qualification. Along with students progress report will be maintained in cloud and then companies can schedule interview. This will provide ease to colleges as well as to the companies and students to get their desired placement. Campus will be managed at a single platform to reduce concurrency. Certain activities such as Placement, Student’s Information, News feed for the students regarding the latest news in the university, Result display, Eligibility Criteria all will be Considered at a single platform managed by Administrator, Faculty and Training and Placement officer (TPO). Also in addition to the campus management and other facilities we are going to provide a feature where there will be a direct connection between companies and students. Generally Placement cell is the link.

Keywords: Cloud Computing, IaaS, SaaS, PaaS, CMS, GNDU, VPN

I. INTRODUCTION

Since it’s the age of internet technology is being used at each and every part of world, even in the field of education where a lot of efforts and paperwork is needed for data management related to student, staff, campus, transportation and many more. This leads to campus automation and since cloud computing is widely behind in many areas campus automation is also done using cloud computing. Every college has database where data of each student is managed. Same database can be used for this purpose and if a campus doesn’t contains the data it can be created in an cloud storage instance which will be verified and Only after online authentication user will be provided access and only faculty can update the records of students.

Student data such as name, marks, grade, unique id, contact number, previous grades all are already present in database. Unique id of student here will act as primary key in database which will differentiate between students so that students can view only their own information and do not hinder with other student’s entries and data. This makes the system highly reliable and secure. In sense of placement after login only respective staff and training and placement officer or section can see the student information and companies that has put up their requirement.

II. MOTIVATION

This project aimed to implement a cloud-based website assist with

1) The software facilitates the administrators to know the present status of a student of the college.

2) The software gives the information such as student personal data, student fees details, results etc.

3) Time and man power can be more effectively utilized and online information can be easily available to the user.

4) By automating the system using computers, sophisticated technology can be used for making the information more Flexible, accurate, and secure and user friendly.

III. PROBLEM DEFINITION

In existing system for managing various modules such as student module, administrator module and all other processes are handled manually. All the previous records are referred to simply know the details. This is tedious as well as insufficient and this process even becomes more difficult when there is an increase in number of students. In existent systems the work is done by human intervention which increases the chances for errors and it also causes much more stress to the people which are engrossed in the work.

Communication gap also exists between the students and the employer, the whole process is slowing and time consuming and valuable time is wasted because of this. Normally the records are stored in excel files in which a person has to manually search and sort the students based on the criteria and based on this generate a list which will be forwarded to TPO, faculty and Students. No searching method is involved in this as all work is manual and there maybe even chances of loss of opportunity for a student if the list is not properly verified or properly made.

Also the students don’t get the notice and study material easily as proper information is not conveyed and there is no single platform which can provide all solutions. Help the faculty with a system that will count the number of papers checked per day and reduce the efforts of entering the details manually. So there should exist a system which gives expected and accurate results without any difficulties and with minimum efforts.

IV. LITERATURE SURVEY:

A. PAPER 1: A Literature review on cloud computing adoption issues in Enterprises.

Author: Rania El-Gazzar

Cloud computing has received increasing interest from enterprises since its inception. With its innovative information technology (IT) services delivery model, cloud computing could add technical and strategic business value to enterprises. This paper presents a systematic literature review to explore the current key issues related to cloud computing adoption. Based on the findings, the paper provides a future information systems (IS) research agenda to explore the previously under-investigated areas regarding cloud computing adoption factors and processes.
B. Paper 2: College Automation System

Author: Swati Mishra, Utpal Naskar, Arkanil Dutta, Sanchita Sahu, Sourajit Chatterjee, Sumana Mazumdar

Today all the major work of a college is done by pen and paper method. The admission department has to manually forward the details of the students to other departments like examination department so that they can insert their details into their database. Technically until and unless the student has been registered into the university their details do not go to the examination department.

The pen and paper method is very time consuming and takes in much more effort and time. Since each day the number of students is growing and so is the amount of data relied to them, it is facing difficulties in maintaining the records of the students. It is thus required to build up a computerized system that can both work as the representing side of the college and the working side of the institution. It is necessary to build up a system that can work automatically with lesser effort than the previous method and also be hundred percent trustworthy.

V. PROPOSED SYSTEM:

The paper work done for campus management is really very slow, hardworking, and time consuming. It is required to design of computerized automated management system to speed up and make it easy and relatably faster.

User interface: The application will have a user friendly interface which will include Following screens:
- A main screen will menu bars that will help the user to both gain information and reflect about it. From there he/she can gather information about the college. They will also be able to read the notice from there without having to login to their account
- Students, teachers, administration will have their separate login pages.
- For new students and staff there will be a create account option on respective login page.
- or administrator of different campuses they will have icons and section of each campus so they will be logging to their respective campus In addition to that there will be logging options for diff departments of the campus e.g. transportation department, academic department, hostel, mess, canteen etc.

Operations:-
- important Notices and upcoming Events can also be published on the site
- it will also have the records of requirements and eligibility criteria of the companies User class and characteristics:
- The HOD and the respective staff is responsible for maintaining the attendance, publishing any new notice, create timetables and assign teachers to them, submit the marks of the student, update the student profile depending on the attendance and exam status.
- Companies authenticated by placement cell can check on the data provided placement cell for selection of eligible candidate for the job role
- Student can ask questions in the question and answer portal that has been designed. Any random student of the institution can answer that question. He can also check his internal marks and his attendance

VI. SYSTEM ARCHITECTURE

![System Architecture Diagram](image-url)

Fig. 1: System Architecture Diagram
A. **ADVANTAGES**

1) Reduces work of the recruitment faculty.
2) The company can view all students' detail and system can shortlist students according to their criteria instead of doing manually.
3) It helps to review and manage the resulting applications efficiently through the web.

B. **LIMITATIONS**

1) Needs active internet connection to connect with cloud server.
2) Student can’t edit their application once sent. It would require admin to change the data.

VII. **CONCLUSION:**

Cloud computing will certainly decimate the effort required at the various campus for setting up, updating and maintaining hardware and software. These will also intelligible the user interface, allowing students to access various manuscripts, journals/simulations software, presentations/seminars through a browser interface.

In addition, updating of equipment and software at main campus will become easy because of centralization; and University would be competent to extend its growth in all fields of excellence over other Universities on the posterior of advancing technology trends in this region.

VIII. **FUTURE WORK:**

Campus automation will use to provide the security and authentication to Our system is based on Cloud Platform. We are using our system for Pravara Campus.

REFERENCES