

R & D Project Summary

Name of Project:	Alumni Management System
Start Date of Project:	09-12-2021
End Date of Project:	19-05-2022
Faculty/Students Involved in project:	Faculty (CSE) - Nidhi Bishnoi Students (CSE) – Deepali Chaudhary (1801710015) Kajal Malik (1801710020) Dimple Rajput (1801710022)

Summary of Project:

The Online Alumni Management System is a PHP MySQL project that helps a specific university/college school manages its alumni data. This project has two sides of users UI (user interface): the admin side/school management and the alumnus/alumna's side. The admin side can manage all the job posted, alumni list, events, forum topics, and the gallery. The alumni site can create an account (to be verified by admin), post a job opportunity, create a forum topic, and join other forums, commit to participate in an upcoming event such as homecoming.

Talking about the **Online Alumni Management System flow**, universities/college school alumni will register to the website. This process will need the verification of the school management to enlist the alumnus/alumna in the website user. After the admin verifies the user as an alumnus of the school/college, the alumni user can begin to explore the features or functionalities of the system on their side, which are the job opportunities posted by other alumni or admin, a list of upcoming events, joining to the forum with the other alumni. For the administrator side of the system, aside from verifying the account and list of alumni, the admin will also manage the gallery to be displayed on the website. The gallery may contain some images of the school events with a short description. The admin will create the about content of the school to be also displayed on the website. This feature helps the school management update the about content of the system easily even without the presence of a developer. The admin can also post a job opportunity and can overwrite or manage the posted job and forum topic of an alumnus/alumni if any instances may occur.

Scientific and Technological Uncertainties:

Our main objective is build connection between alumni and students in college directly so that they can easily explore new domain with the proper guidance and knowledge.

Existing system is a manual one in which users are maintaining documents paper work to store the information like colleges details, student details. It is very difficult to maintain

historical data. It is difficult to maintain important information in documents paperwork. More manual hours need to generate required reports. It is tedious to manage historical data which needs much space to keep all the previous years, ledgers, documents paperwork.

Overcoming Uncertainties:

As this is a complete online website, there are two technics – Frontend & Backend. Frontend means the design of the website or the designing interface of the web application.

Programing languages coming under Frontend: – HTML, CSS & Java Script. Backend means server side programming; it communicates the client interface with the database and the logic control.

Programing languages coming under Backend: – Php, JavaScript, etc. Also Bootstrap and CSS are used for design purpose.

The Department of Graduates Follow-up is responsible for monitoring the affairs of graduates. It is proposed to be administratively linked to the Deanship of Student Affairs, where the administration mentors the transfer of students from the academic education environment to the operational environment.

The Department also monitors the graduates and learns the news of the university's keenness to maintain a permanent and strong contact with the graduates. Graduation is the end of the relationship with the university, and try to find jobs for university graduates.

One of the most important objectives of the establishment of the administration is to link the bridges of practical life with the academy and to support continuous communication between the university and its graduate, benefiting the university and its graduates, as well as conducting research studies on academic developments in order to meet the requirements of the labor market.

The research will solve a large part of unemployment if it is used from universities in the and also solve a large part of the referendums on the outputs of learning where the outputs will be true and real for each university or school using a system conducted by the rules of alumni There are now more than one million unemployed, so the technology will be integrated into a database on a website so that information can be accessed in a flexible and easy way.

Advancement of Knowledge:

- **Existing System**

The Existing system is a computerized system, but which is maintained at individual databases i.e in excels sheets, it's a time delay process. And maintaining all the records in Excel sheets is difficult. If they want any record, they must search all the records. It doesn't provide multiple user accessibility and doesn't have different user privileges.

So, the system is not accessible for all the employees of the organization.

The existing system is built with innumerable excel sheets that are created by each user. These sheets may be collated by an alumni organization and shared with all the alumni, but this activity may not be frequent. E – Mail ID's may be freely shared and can lead to excessive spam mails. This apparent lack of privacy will force many alumni to avoid sharing their details with fellow alumni. The system is difficult to maintain on a regular basis by a small group of students.

- **Limitations in Existing System**

- The current system is not completely computerized and manual system in entering students and staff data and handling it.
- There is no centralized database maintenance.
- There is no easy access to the particular students record. The student cannot easily navigate through the database.

- **Proposed System**

The Proposed system is a computerized system, but which is maintained at centralized databases i.e., in automated forms it's a very fast process. And maintaining all the records in online systems database which makes it very easy to access and retrieve data from the database. If they want any record, they can easily search all the records. It provides multiple user accessibility and has different user privileges. So, the system is accessible for all the employees of the organization.

- **Advantages Over Existing System**

It is completely automated system in handling the college database. This system provides centralized database maintenance

This system provides easy access to the particular alumni account or his/her completed details

This system provides student to easily navigate through the application for more information in a most secure manner.

Project Outcome:

Project completed successfully and following are the outcome:

- Store and manage vital alumni data.
- Improve success of placements.
- Provides tools to stay connected with alumni.
- Makes fundraising easier.
- Forums can enable knowledge sharing.

Medium term outcome:

- Store and manage vital alumni data
- Improve success of placement 106
- Provide tools to stay connected with alumni
- Make fundraising easier
- Forums can enable knowledge sharing
- All Events information collectively
- Improve networking
- Dedicated platform for placement task
- Increase opportunities for placement
- Much easier to maintain than paperwork
- Wide usage future scope