

# Alumni Database Management Framework

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**Abstract-** The primary goal of the project is to create a system that can handle a college's alumni data and make it easily accessible to alumni, administrators, and students. Maintaining ties with their respective institutions will be of interest to the alumni as well. Students can share department technology activities with alumni, and alumni can contact with students about job opportunities. The administrator's authorization is the sole way for the student and the alum to interact. a system that can handle a college's alumni data and offer simple system access. Students in their last year will first receive a student login ID. Having access to the system will enable them to establish links with their projects.

**Keyword:** Database, login, online, web based

## I. INTRODUCTION

The greatest asset any institution can have is the Alumni system. Alumni are the people who represent the institution in the real world. Alumni website is created for the students that have graduated from the institution. This is an online website that allows former students to take advantage of the benefits and services that an institution offers after graduation.

The alumni network is becoming important in the development of the institution because of their vast potential that benefits both the institution and the students. There are many benefits for being an alumni member of a college or institution. Some of these benefits are : keeping a person informed on the events that are organized by the institution, and when some important events are going to be held in the institution. Another benefit is that the information concerning a former student can easily be received and other members of the alumni community can be located without much stress. The student and alumni can communicate with each other.

## II. LITERATURE SURVEY

### A. 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 have to search all the records. It doesn't provide multiple user accessibility and also doesn't have different user

privileges.

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

### B. 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.

### C. 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 also has different user privileges. So the system is accessible for all the employees of the organization.

### D. 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 complete details

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

## III. ACTIVITY DIAGRAM

### IV.

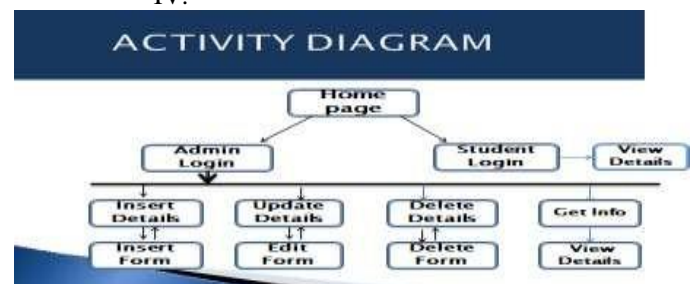


Fig 1: System Architecture

## V. APPLICATIONS

Alumni helps institutes strategically build and manage their alumni network, by facilitating engagement, community- building, networking, communications and giving back.

With our online website, your Alumni data can be centralized and combined with a host of exciting front-end member modules and timesaving, back-end administration tools.

It will also be important to the NBA (National Board of Accreditation) activities that are going to take place in our college.

## VI. METHODOLOGY

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.

## VII. CONCLUSION

- Reduces manual work.
- It is time saving.
- Efficient way of managing the Alumni data.
- No need of paperwork as everything is online.

## VIII. ACKNOWLEDGEMENT

The successful completion of any task would be incomplete, without the mention of people who are foremost, we would like to express our sincere gratitude to our research supervisors who has in the literal sense, guided and supervised us. Their guidance deserves much more than the credit on the successful completion of our project and also for giving us an opportunity to implant our skills and for providing the required help and co-operation to complete the report. We are indebted with a deep sense of gratitude for the constant inspiration and valuable guidance throughout the work.

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## REFERENCES

- [1] <https://www.w3schools.com>
- [2] <https://www.wikipedia.org/>
- [3] <https://www.youtube.com/watch?v=-FFGJGPzZJw>