

A Review Paper on Alumni Portal

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Abstract- This paper reviews current research on Alumni Portal, the connections between alumnus and students, college interaction between alumnus, past records, event updates and records. The review covers 30 research papers, investigating database of Alumnus, students, past and present events held, interaction of alumnus in college events, interaction of alumnus and students. For improving the previous Alumni portals and projects related to Alumni.

Index Terms- Alumni management systems, web development, HTML, CSS, JavaScript, Python, PHP, MySQL, database management, digitization.

I. INTRODUCTION

The newer methods have an advantage of accessing data from anywhere around the globe.

[1] Modification and updating data become an easy process. As it is a responsive two-way managing service, the data of the individual is maintained by the admin as well as the alumni. Depending on the requirement, the input of the data can be added or modified on timely basis. Along with data management, additional interactive features can also be added if required by the institution.[2]

This method helps the institution to keep a track of an alumnus after graduation and the student interaction with the institution for any reference, guidance or mentorship can be made available.[2]

II. LITERATURE SURVEY

1. Existing System

The former methods of data preservation were tabular forms, excel sheets, documentations, etc. These system limits multiple accessing, easy modification in the data, searching for records. As we are moving towards digitalization, techniques of data management have been improved. One of these methods include, database management system. The database management system works on the principle of data-keeping using computerized technologies.[3]

2. Proposed Model

Alumni Management System is a system which manages the records of the students who are a part of their respective institution or were a part of the institution. Alumni management is important as it keeps the records of the previous students for keeping them in touch with the institution. The alumnus can be a help to the college in their expertise files of study from the outside world giving students

guidance and updating them about the current happenings. It particularly concentrates on the graduated students of the institution and not on the students who are currently a part of the institution.[4][9]

3. Benefits of Proposed Model over Existing system

The database management system is a collection of a particular data depending on the requirement. It is easier to alter and implement changes in the existing data. As the new software technology is rising, we can store this data in a conventional and effective way using these software's and interfacing them in a proper functional order which can be accessed remotely.[3]

III. IMPLEMENTATION OF THE PROPOSED MODEL

1. Software Requirements

As this project mainly focuses on alumni database on web services it uses methods based on web development tools like HTML, CSS, JavaScript along with Python framework (Django, Flask). The existing database has to be saved and modified using SQL. The HTML, CSS & JavaScript are considered to be the front-end development tools.[1]

2. Flow of the Proposed Model

Alumni portal focuses on user interaction and multi-functioning by adding various features to increase reusability. This system is divided into two sides – Admin side, Alumni/Student side.

Admin Side

A log-in access is provided for security, verification and individuality purposes. The admin has access to the individual details of a particular alumni. The admin wants to keep track of the updated personal details. Along with this, it also focuses on managing alumni related events or job postings if necessary.[1]

Alumni Side

The alumni are required to update his/her personal details for college records. They have access for viewing the job postings or events on their personal dashboard. They can also post any job openings in their field for the benefit of other alumni and students.[1]

Future Scope

- Job postings can be automatized using tools such as web scrapping which are available to scrap data from other websites.
- The security can be enhanced to protect the databases of the students to a greater extent.
- When majority of alumni have filled up the form, a comprehensive study can be done, building up on the preliminary survey done in this work.
- The system can be extended to be a hub for inter-alumni, alumni-student, and alumni-college communication for e.g. a place to host job vacancies, a place to organize and be informed of college events.
- Automated tracing can be carried out using LinkedIn and other platforms to update alumni information.

V. CONCLUSION

The "Alumni Management System" website is a fully functional website which time saving, easy to use, efficient way of managing relatable data, making it for the institution to connect with them easily and updating them about the ongoinings of the institution. Automating techniques to some extent can increase feasibility in order to increase functionality in the further development of the website. This can also include in updating the user- interface to latest standards and keeping it agile to bring in faster changes with less modification in the original website and still getting valuable outcomes.

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