

Alumni Association & Management.

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1. ABSTRACT

The alumni Association & Management project is to construct a system that will be able to store all the information of an institution, college, schools. Its aim to Deal and interact with huge data physically is a complex issue that may cause to data lost. Alumni's can be able to gain vision to the students. This association and management system will provide the list of all students based on them current studying Year Passed-out year Students .and They are manage through department login with approval of alumni admin. It will interaction between the student module and alumni module. The students of the college access the details of the alumni of their college and construct them log-in option in this information system. And it's also contained collage event control and manages that .or access of collage gallery. The system as provide the registration of student .This system is to deliver an easy contact to the students and make them comfortable by using this system. These alumni Association & Management makes the things easier to approach the alumni are and consult them. This Association & Management system is a web-based system or App-Base system. This system will provide a registration form for newly admitted students of the college. This project helps us to build contacts with them. Alumni Association & Management System is user-friendly.

Keywords:- Alumni Association & Management, Web-based, App-Base, GUI, PHP, Vs-Code.

2. INTRODUCTION OF PROJECT

With the advancement of technology, data has become an essential part of human life. In every arena of our lives, we require data to support the automation of information. This has led to the development of various systems that are designed to automate and streamline data communication. One such system is the Alumni Association & Management, which is a software designed to maintain the records of graduates from an institution and facilitate interaction among alumni.

The Alumni Association & Management is a comprehensive software that enables institutions to create a cohesive system that brings together all the people associated with the institution at a single place. It allows easy access to alumni information and provides a platform for communication, conversation of ideas, and other statistics. The system also includes an analysis module that allows administrators to add results to the search content and update, maintain, and delete information.[5].

The purpose of this system cannot be disregarded as it helps in doing things quicker, undertaking things well, and undertaking things keenly. These qualities are unthinkable just because of two words, "Information System." The Alumni Association & Management is a set of independent entities, either factual or intellectual, establishing a cohesive total. As the foremost technologies for storing and processing information have been developed, new abilities have appeared, like the fast development of system software. However, dealing with huge data physically is a complex issue that may lead to data loss. Therefore, the Alumni Association & Management is designed to provide a centralized database that can store and process large amounts of data.[2].

The main objective of the Alumni Association & Management is to prepare software that contains the information of the graduates, which helps the students in interacting with their alumni organization. The system maintains details of former students specifically in shaping their alumni organization. The passed-out year of the institution is also recorded in the system. The system enables institutions to create profiles of the students, list their status, update their information, and delete their records. To develop this project, graphical user interface (GUI) is used, which makes the system user-friendly and easy to navigate.

The Alumni Association & Management is built using Java applications that play a major role in creating the Alumni Association & Management. In this system, GUI is used to store the details of the former students, and a database is used to maintain the records of all the students with their details of their current working status. An object is a many bundle of functions and procedures often relating to a particular real-world concept such as Alumni Association & Management. By calling the function and its procedures, administrators can access the graduate's details.

The Alumni Association & Management is a powerful tool that enables institutions to create a cohesive system that brings together all the people associated with the institution at a single place. It allows easy access to alumni information and provides a platform for communication, conversation of ideas, and other statistics. The system also includes an analysis module that allows administrators to add results to the search content and update, maintain, and delete information.[3].

The Alumni Association & Management also provides several other advantages, such as increased efficiency and productivity, improved data accuracy, enhanced communication, and reduced costs. The system helps in reducing the workload of the administrators by automating the process of maintaining alumni records. This allows the administrators to focus on other important tasks, such as improving the quality of education

3. LITERATURE SURVEY:-

- An Online Platform for Alumni Engagement by D. K. Kumar and K. B. Chhetri - This research paper presents an online platform for alumni engagement that allows alumni to connect with each other and stay updated on the latest news and events. The system also provides universities and colleges with valuable insights into their alumni community.
- Alumni Association & Management Development: A Case Study by A. M. A. Al-Amri and M. A. Al-Qahtani - This case study presents the development of an Alumni Association & Management for a university in Saudi Arabia. The system allows alumni to manage their personal information and stay connected with the university and other alumni.
- Designing an Alumni Association & Management for a University by S. S. Saha and M. N. Uddin - This research paper presents the design and development of an Alumni Association & Management for a university in Bangladesh. The system allows alumni to manage their personal information, connect with other alumni, and stay updated on the latest news and events.
- Alumni Engagement in Higher Education Institutions: A Literature Review by K. B. Chhetri and D. K. Kumar - This literature review examines the importance of alumni engagement in higher education institutions and presents various strategies for engaging with alumni. The review also highlights the role of Alumni Association & Managements in promoting alumni engagement.
- Developing an Alumni Network: A Case Study of a Malaysian Private University by M. Y. Yusoff, N. A. Ahmad, and M. Z. Hamzah - This case study presents the development of an alumni network for a private university in Malaysia. The network allows alumni to connect with each other and the university and provides valuable insights into the alumni community.
- Overall, the literature survey highlights the importance of alumni engagement in higher education institutions and the role of Alumni Association & Management in promoting alumni engagement. The survey also presents various case studies and research papers that demonstrate the design and development of Alumni Association & Managements and the benefits they provide to universities and colleges.

4. EXISTING SYSTEM:-

The existing system being referred to in the text is an Alumni Association & Management that has several drawbacks. One of the problems with the current system is that it is difficult to maintain on a regular basis, and there is also a confidentiality issue.

The system is made up of numerous outclass pages that are created by each operator. These pages may be assembled by an alumni association and shared with all the alumni, but this process is not regular, meaning that the information may not be up to date or accurate.[8].

To address this issue, the proposed system aims to register users by collecting their ID, name, and password. Once registered, the admin can add results to the search content and update and maintain the form.

The proposed system offers a cohesive theme that joins all the people associated with the institution at a single place, allowing for better communication, conversations of ideas, and sharing of statistics. This new alumni system aims to resolve the problematic issues faced with ex-students' response to the aptitude.

The current system has limitations in terms of its ability to provide accurate and up-to-date information, which can lead to incorrect data being shared with alumni. Additionally, the process of updating and maintaining the system is not regular, which means that the data may not be reliable. The proposed system seeks to address these

challenges by creating a more automated and streamlined process that will make it easier for administrators to manage the data and keep it up to date.[10].

Overall, the existing Alumni Association & Management has several drawbacks, including difficulties in maintaining it, issues with confidentiality, and problems with the accuracy of data. The proposed system aims to overcome these challenges by introducing a more automated and streamlined process that will make it easier to manage alumni information and keep it up to date.[5].

5. PROPOSED SYSTEM:-

The proposed system is an online web-based platform that can be accessed by alumni from anywhere, providing them with a convenient and fast means of communication. Each user will be responsible for updating their own personal information and will have the option to maintain their privacy. The system does not require constant attention from a group of administrators for its maintenance.[1].

Alumni will be able to establish meetings and update job prospects through this system, and users will be required to enter their ID and password to view their profile. The system will be able to maintain communication with alumni and their organizations and store historical data in a database.

The Alumni Association & Management will provide comprehensive services based on various issues such as former students, college, university mates, social webs, bulletin, and scholars. It will also manage the particulars of graduate's institution, university mates, social webs, and scholars. It tracks all the information of alumni and manages the statistical scheme, demonstrating the report of the university.[6]

This system aims to improve the efficiency of undergraduate management by managing the data and information opportunities. Adding and updating records will be improved, resulting in proper resource management of the Alumni Association & Management 's data. The system will also manage information about places and integrate all records of social networks.

Overall, the system will produce descriptions of former students, university pals, and scholars and provide a platform for alumni to stay connected and updated.[10].

6. SYSTEM ARCHITECTURE:-

User Interface (UI): This component provides a graphical user interface for the users to interact with the system. It includes screens for login, registration, and viewing records.[3].

Admin Access: This component provides authentication and authorization functionality for the system. It includes login screens for both students and college staff members, as well as screens for viewing student records and present records.

Registration: This component allows users to register with the system by entering their personal details. It includes screens for entering name, ID, phone number, pass-out year, company, designation, and degree.

Student Records: This component manages the data of registered students. It includes screens for updating student information by logging in with ID and password. It also includes screens for displaying student data.

Modules: This component bundles up the application's Java packages into modules. The Student module allows users to register and view their details. The College module lets them search for college-related information. The Registration module is designed for freshers to register and access alumni-related information.[7].

Records: This component maintains the details of the students and their current working status. It includes a database that interlinks the data from the Admin Access component.

The system architecture can be designed using a layered approach where each component is organized into a layer. For example, the UI and Admin Access components can be placed in the presentation layer, the Registration and Student Records components can be placed in the business logic layer, and the Modules and Records components can be placed in the data access layer.[5]

This architecture can be implemented using Java-based technologies such as JavaFX for the UI, Spring framework for the business logic layer, and Hibernate for the data access layer. The data can be stored in a relational database such as MySQL or Oracle.

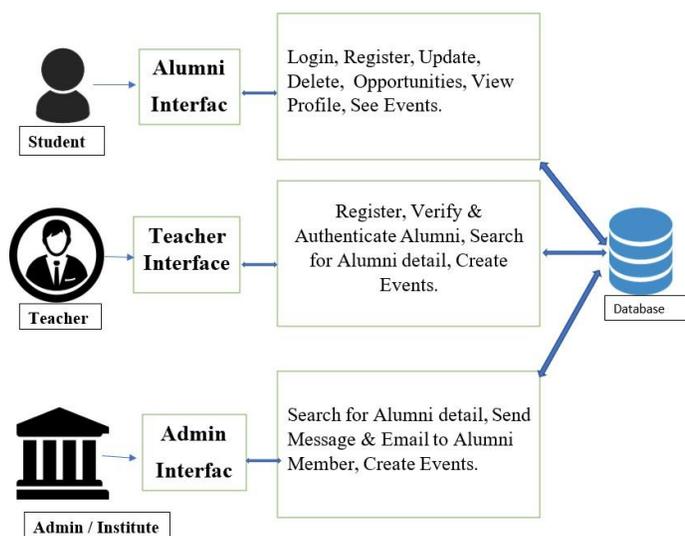


Figure:- System Architecture

7. FUTURE SCOPE:-

The system has a vast future scope, as it provides a convenient and efficient platform for alumni to stay connected and updated. The system can be expanded to include features such as alumni job boards, networking opportunities, and mentorship programs. It can also be integrated with other educational institutions, creating a broader network of alumni connections.

Additionally, the system can be used to generate alumni data reports, providing universities and colleges with valuable insights into their alumni community's career paths and achievements. The system can also be used to track alumni donations and fundraising efforts, providing a seamless way to manage these activities.

8. CONCLUSION:-

The proposed is an innovative and efficient solution for managing alumni data and communication. It will provide a convenient and accessible platform for alumni to stay connected, update their personal information, and establish networking opportunities.

The system's future scope is vast, as it can be expanded to include new features, integrations, and data analytics capabilities. The system's implementation will result in improved resource management and data accuracy, providing universities and colleges with valuable insights into their alumni community.

Overall, the is a promising solution for managing alumni data, communication, and networking. It will improve the overall alumni experience and strengthen the connection between educational institutions and their alumni.

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