

WEBSITE DEVELOPMENT FOR ALUMNI MANAGEMENT SYSTEM

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Abstract

The college alumni website is an application that will allow the college management to store the details of the old and new students of the college. It also allows them to communicate with each other. The details related to the job vacancies, career, subject details can be asked by the new students from the old students. Manually collecting the student's data and storing it through some pen paper method is a tedious job. There is no security for the data that is stored through such method. Through the college alumni website this work can be avoided. The details of the students can be got in just one mouse click.

Introduction:

Alumni are valuable resources for an institute which can help with upcoming industry requirements and related mentoring which is beneficial to current students. Alumni Association serves the institute in carrying out a variety of activities. It strengthens ties between alumni, as well as between alumni and Alma Mater, providing opportunities for cooperation and communication. Interactions with them have always been beneficial to the institution as it reduces the industry academic gap. The interaction with the alumni is more informal, immature and mostly at departmental level. Various departments have frequent interaction with the alumni. They are invited to share their experiences with the current students helping them to get exposure on industry requirements and trend. They are also invited as experts at seminars for delivering guest lecturers in the areas of their expertise, experts, judges for competitions etc. The alumnus is an important stakeholder. They are valuable assets of considered to be in any organization or university. Seeing the alumni of the institute getting successful in various fields like teaching, government services, business, corporate company, various company secretaries, IT, etc. the college takes pride to have mentored such alumni. Today's students are tomorrow's alumni and future university/institute supporters. In recent years a lot of importance is given by institutions in building alumni networks worldwide, understanding the significance of mutual benefits. Collecting and maintaining data of all alumni, their current job designation and other basic details is a complex process. In earlier times the alumni details were maintained in excel, from there on significant changes are seen these days making an effective portal would result in a long – term and more engaging experience with the Alumni. Many institutes manually maintain this data which is a tedious process. Presently, the alumni must come to college campus or contact on office numbers to know about events, to update job details or to make donations, etc. Also, the current

students are unaware of their potential alumni network which is a result of an unavailable efficient online system. A manual system is not completely reliable as it has no concrete security elements. One of the major challenges faced by alumni associations is tracking alumni. Alumni Association Portal will help in solving the above mentioned problem as it would be the medium through the current students, the alumni outside and the institution can exchange information and stay connected. There are not many effective applications for alumni association that's why many institutions are struggling to organize and collect alumni details for effectively using the alumni information. There are many alumni association portal available many of them do not provide full fledged solution. In those systems Admin is only having the sole authority for manipulating details of alumni. Alumni can't modify their personal details. The process is very slow and it takes time to find the Alumni data and there is no assurance of the confidentiality of the alumni data.

Future Scope of Project

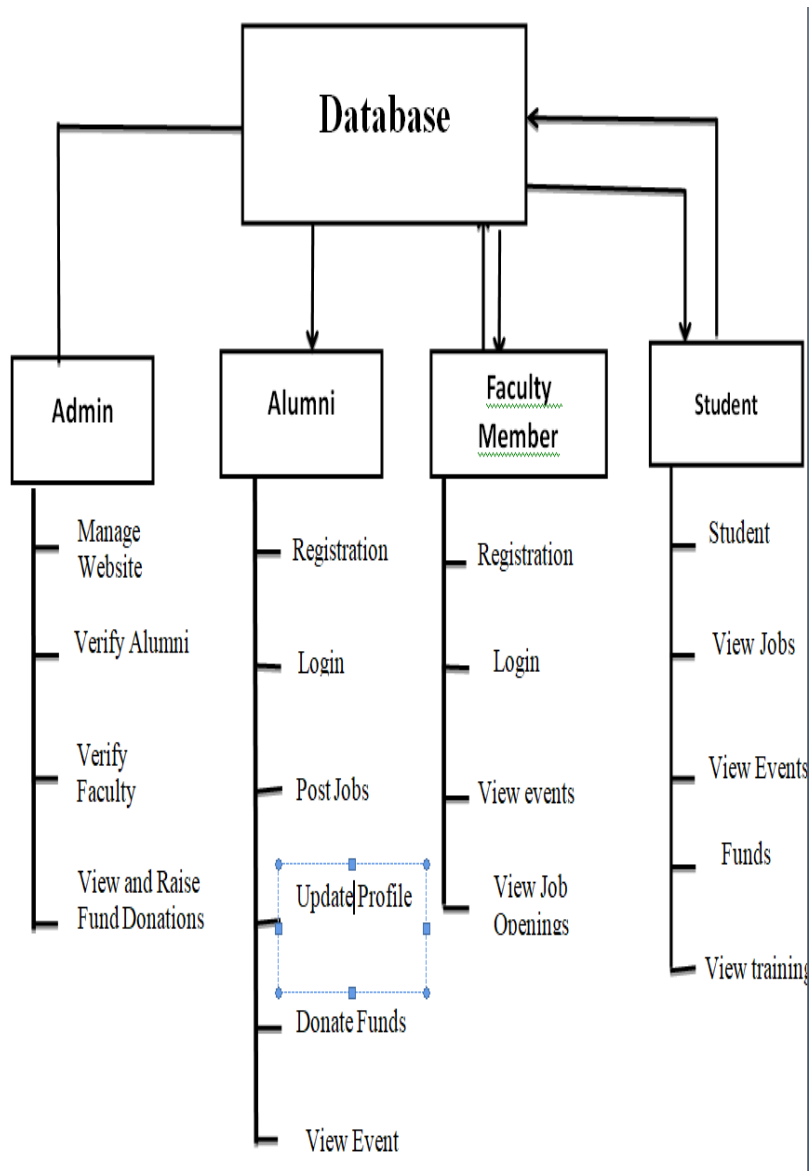
It would be very useful if the members of the alumni web site which are former student of college could directly contact the alumni officer through website. The system that was implemented does not offer this functionality. However it is easy to find the email address of the alumni officer because it will be places on the homepage of the online community. The contact alumni officer functionality that the alumni web site offers. That is why it would be useful to be able to set some information such as contact details as private or public. This could be done very easy with the use of radio buttons. Right now, alumni website is used to maintain data of alumni and to provide platform where alumini can see the progress of an institute and also participate in improving condition of institution with the help of donation.

Objective of Project:

Today's students are tomorrow's alumni and future university/institute supporters. In recent years a lot of importance is given by institutions in building alumni networks worldwide, understanding the significance of mutual benefits. Collecting and maintaining data of all alumni, their current job designation and other basic details is a complex process. In earlier times the alumni details were maintained in excel, from there on significant changes are seen these days making an effective portal would result in a long-term and more engaging experience with the Alumni. Many institutes manually maintain this data which is a tedious process. Presently, the alumni must come to college campus or contact office numbers to know about events, to update job details or to make donations, etc. Also, the current students are unaware of their potential alumni network which is a result of an unavailable efficient online system. A manual system is not completely reliable as it has no concrete security elements.

Proposed Model:

Alumni management system is a system which manages the records of the student who are a part of the respective institution or were a part of the institution. Alumni management is important as it keeps the records of the previous student for keeping them in touch with the institution. The alumni 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.



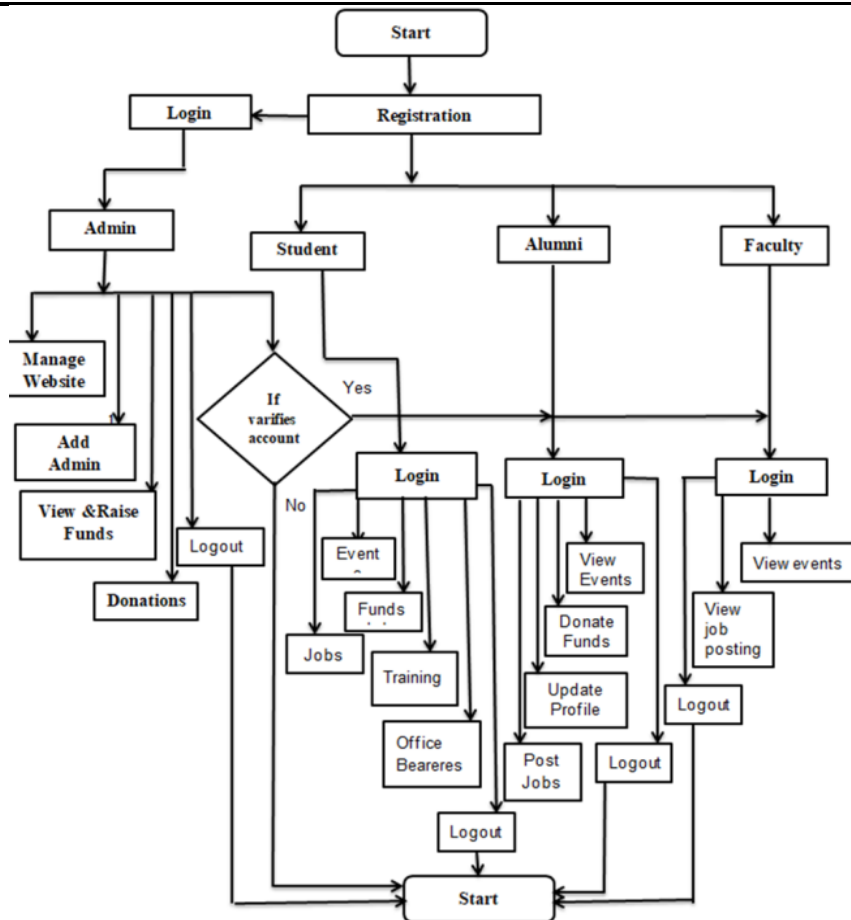
Block Diagram of Project

The system provides security features through username and password matching where only authorized user can access the system with different authorization level. It includes admin, alumni and faculty.

Admin is super user of this application. The admin functionalities include verifying alumni details, updating password, adding or deleting courses which are therein the college, organi

Alumni This module helps Alumni to register into system by providing valid details. Once the registration is done, details will be sent to admin for approval. This module also allows Alumni to update the password. Once the registration is done user can update his profile.

Faculty This module helps faculty members to register into system by providing valid details.



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. 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. HTML:The HTML is used for the basic layout of the website which includes inputs in the form of registration form, a log-in page and details of a particular student using the HTML tags.
2. CSS:The styling that includes designing of the web page for user attraction is done using CSS is used because of its easy and efficient access to styling which is generally paired with HTML for most of website available.
3. Javascript: It is paired with HTML and CSS for responsive front-end.
4. SQL: As we are using a structured data which is easy to handle in a database management system, SQL is preferred over other database. SQL is said to be one of the oldest methods of storing large data in tables which provides relationship between each table to fetch structured data across multiple tables

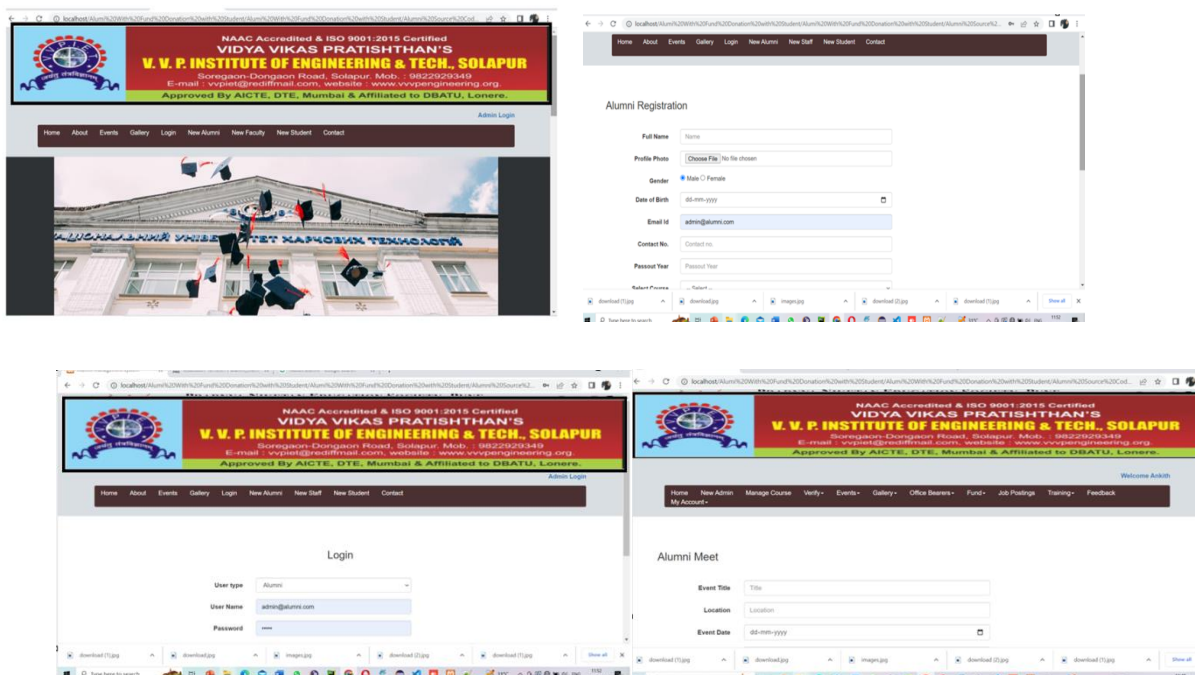
Future Scope:

1. Job posting can be automatized using tools such as web scraping which are available to scrap data from other websites.

The security can be enhanced to protect the database of the students to a greater extent.

Result:

Image insertion, file insertion and verification of data becomes easy while using this method. Adding events is one feature of this website



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 ongoings of the institutions. Automation 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 ans still getting valuable outcomes

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