

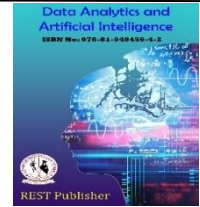


## Data Analytics and Artificial Intelligence

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# Alumni Association using Android Application

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**Abstract.** Today this type of portal is useful for various colleges to manage their pass out student. In this portal administrator verify and authenticate the alumni manage events, notices, achievement and approve register student. Pass out student register in this portal and view all type of event and participate in this. The proposed project is developed in web-based admin handle the application in web. Students have secure login with OTP verification to access the events and achievement updates. The proposed system will be webbing based applications so it can be accessed by alumni and students with the help of admin. It enables quick and easy communications. Each user will be responsible for updating their own information. Alumni will be able to organize meetings and find out about job opportunities using this system.

**Keywords:** Portal, alumni portal, publish events, achievements, manage, view.

## 1. INTRODUCTION

So many institutions have data about the students manually. This will not work efficiently. The traditional method of alumni data and managing students has some problems and drawbacks. The drawbacks of using these paper records methods are: The greatest asset any Institution can have been the Alumni system. Alumni are the people who represent the Institution in the real world. The alumni website is created for the students that have graduated from the Institution. This is a web-based application 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 inform on the events that are organized by the Institution, and when some important events will be holding in the Institution. Another benefit is that 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. We are formulating the best alumni web portal which will facilitate effective communication platform through online chatting, profile viewing and personal messaging within three stake-holders of the institute via- College, College students, Alumni[1]. This portal will be providing direct contact of the alumni with the students as well as the staff members. The desired query of the existing students will be answered faster. This keeps the students updated with the current updates and demands of the industrial market. The students neither posting nor chatting can also silently be updated with the ongoing in the college as well as the market [2]. This portal highlights the feature of communication, which will enable the current students to have interaction with the alumni of the college for getting various updates on current industry trends, Internship opportunity, sponsored projects and various referral opening in the corporate world [3]. This portal will serve the cause of integrating all the stakeholders of Institute such as Alumni, College students, Faculties to avail the guidance and knowledge sharing on various domains under the process of it.

## LITERATURE REVIEW

Manali et al have designed a staff/student portal [1]. The portal provides an online web-based solution for educational use. The landing page of this alumni website shows features like a login tab so that the student and staff can log in easily, making way for acquiring various information. With that, it provides features such as a photo gallery and details regarding the workshop attended, paper published. The unique feature of this portal is its way of connecting the students, staff, and alumni of that college. Rohit et al have designed a college alumni portal [2]. This alumni portal gives an effective communication platform by viewing profiles, online chatting and personal messaging within three main constitutes of the universities are College, College students, and Alumni. One of the advantages of this portal is that it provides automatic registration. Once the student has taken admission into the college, the personal details of that student will be instantly uploaded onto the portal. It also provides birthday notifications on the front page. Shaimaa et al have designed a student and alumni portal [3]. This portal focuses on optimal use of Information and Communication Technology by the alumni, students as well, and the staff in order to achieve academic excellence. The student portal homepage consists of additional features such as announcements from the department, course, course Book uploaded and assignments posted by the staff, Event, absent page and Grade, and online feedback page so as to evaluate the student's active participation and involvement. The alumni portal allows the alumni to view the profile, create an event for the students by giving a friend request. The main admin controls all the systems with the help of admins of different departments. Nile et have designed

an alumni portal [4]. This portal gives the alumni association a chance to meet senior students' expectations and to mainly develop satisfied providers. The alumni-sponsored activities by the association could be offered to the scholars to treat each necessary and enjoyable. It helps to recognize the preferences of those who are going to be future alumni and points to several areas that can be moved further to make the connectivity better between the college and passed out students. Anila et al have designed an alumni association portal [5]. In this paper, discipline research in which deductive and inductive methods are used by the university. Five universities were selected. Among that university, a hundred students and twenty officials are nominated for the gathering of data using a survey method. In this survey method, a brief detail regarding internal is asked about the importance of the Alumni Association at a high level. Barnard et al have designed an enhanced alumni networking portal [6]. In this paper, the main purpose was to see the extent to which alumni portal technology and online communities may be with success applied in South Africa. Chia et al have designed a wise alumni system [7]. In the paper, the major things are smart alumni systems, and the concept is a prototype implementation of a Smart Alumni Systems subset. This Smart Alumni System mainly focuses on the coordination between alumni and college students. Both the frameworks were implemented as a web-based interface. Here the data mining algorithm is implemented for the stakeholder relationships of friends and groups. Crisp et al have designed a college student mentoring system [8]. This paper reconsiders the guidance during a trial to re-work and upgrade the description and the benefits of guidance. Yang et al have designed an alumnus mentoring system [9]. This model describes the alumni data management of the system framework depending on the combination both online and offline. It aims to build a social platform for an alumni network by using intelligent technology to gather and to store huge information and data mining technology about the alumni, to enhance the process-making of talent coaching schemes.

## 2. PROPOSED SYSTEM

The proposed system will be webbing based applications so it can be accessed by alumni and students with the help of admin. It enables quick and easy communications. Each user will be responsible for updating their own information. Alumni will be able to organize meetings and find out about job opportunities using this system.

Advantage Of Proposed System:

- It is very easy to manage historical data in a database.
- It is very easy to record the information about the colleges and about the students in the databases. This system is secure.
- This system provides a single point of network as they connect all the people connected to the university at a single place allowing interactions, exchange of ideas and other information.
- The system is an application for managing and accessing Alumni information regularly.
- Auto registration for college students.
- Passed out students are automatically promoted as alumni upon the completion of their degree.
- Admin Access to dynamically change the website content.

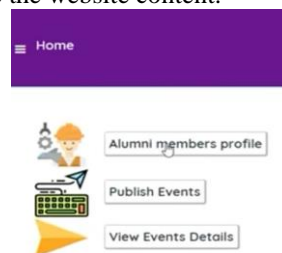


FIGURE 1. Admin Dashboard

Objective:

- An alumni portal is a tremendous source of referral.
- The Alumni portal will provide tremendous knowledge regarding the views and ideology of the outer world.

Scope:

- This portal might offer a not unusual place platform for the interplay of alumni and university college students.

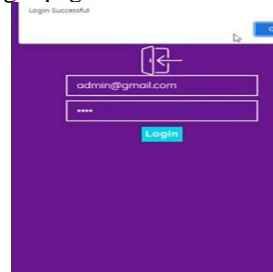
Home Page:

- In the Alumni portal home module, alumni may view to know about the Events and news uploaded by the admin.



**FIGURE 2.** Home Page

Login Page: On the login page, it will ask for the personal email and password. The password is highly encrypted and hence the data is secured. Figure 3 shows the login page.



**FIGURE 3.** Login Page

Alumni Details: The alumni can view his/her profile by clicking on the icon near the logout button. Alumni can upload or change his/her profile photo. Alumni can also make changes in their profile by selecting on the edit profile option available.

### 3. ANALYSIS AND FUTURE SCOPE

The comparison of the proposed work based on Technology stack and security are compared with the existing work are tabulated in Table 1. The alumni portal has an advantageous benefit for college students but not many colleges are having an alumni portal. The students could not communicate with the alumni due to the lack of this service. Hence, the proposed design will be the right choice for every institution.

### 4. FUTURE SCOPE

- To add on social networking sites such as LinkedIn
- Special interest group (SIG) chat rooms can also be provided.
- To connect or involve various companies to divulge the services of this platform.

Reference	Technology Stack	Security
1	Android Studio	High Security
2	MYSQL	used for data security

### 5. CONCLUSION

The paper discusses the online-based alumni and student management system which focuses on the feature of interaction/communication between the alumni and the student. It will connect the current students to have a conversation with the alumni of their colleges and universities for getting the latest updates on current industry trends, Internship opportunities, projects, sponsorship, scholarships, workshops, and various referrals opening in the industry world. Alumni can share their knowledge and experience thereby guiding and mentoring the students to prepare for a better future. This will also connect the universities or colleges to create a healthy relationship with the alumni students. The primary goal of this portal is to enable the students to share their views or queries on the portal regarding recent trends and various opportunities.

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