

# ANDROID BASED ALUMNI MANAGEMENT SYSTEM

<sup>1</sup>Anjali Bagul, <sup>2</sup>Sanika Bhandare, <sup>3</sup>Sonam Jeughale, <sup>4</sup>Shivani More

Dept. of Computer Engineering  
Matoshri College of Engineering & Research Center  
Nashik.

**Abstract** - This paper proposes a centralized system for alumni management which is institution independent and concentrates on alumni network pan organizations. The fundamental incentive of the system lies in the mentorship process in the institution as well as organization verticals. The system recognizes as an alumni not only graduates but also those individuals who are presently in the institution/organization, thereby facilitating network among the professionals and the students of the institutions from where the professional had graduated. Apart from the alumni, the institutes/organizations also enjoy a comprehensive list of benefits. The minimum age for registration for alumni has been mandated to be 15 years. Hence, the system takes into account those institutions also from where a certain individual has passed the 10th examinations. Hence, the system defines the list of almmater those institution which serve degrees for 10th, 12th, graduation, post-graduation, doctoral and working organizations. Literature comparison has been done with an existing proposal and our system exhibits better features.

**Key Words:** Alumni system, centralized alumni system, CAMS, alumni management system, alumni networks.



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## INTRODUCTION

Alumni management is one of the thrust areas considered focal to institutional development, mostly in developing countries. A strong alumni system plays a vital role in reaping enormous benefits for student-student networks as well as institution-student networks. A few robust alumni systems exist in the present day but they are strictly institutional. Centralized generic alumni system void of any institutional affiliation is the call for the day. A major problem in dedicated institutional alumni systems lies in the given test case: Online Event Management is an application, which is designed for managing the events in the respective colleges. It is a college level application. It is a flutter-based application. Mobile registration is the next generation of registration that leads attractive way of gathering event details anywhere. A powerful integrated platform connects the various participation and other specialized modules. It is a handy application that can be used by the administration, coordinators, and users to facilitate communication. The application provides probability as it is used on a mobile device and can be carried anywhere. Since the application is used on android device, it refines the connectivity between participants and the coordinator, thus the establishment will be provided with system that is more transparent utterly. Not only does connectivity improves, the app also decreases a substantial amount of paper work that is otherwise needed for daily task in the situation. This application is a useful tool that can be used by any member of the institution, anywhere, anytime on android devices. Since mobile device makes all the tasks, there is no paper work involved and it provides direct access to the participants and coordinators. This provide direct access to the user that, means the participants can clarify the event details with the coordinator irrespective of where they are at a given time. This system allows both the registered users and the new users. The project provides basic requirement of an event, which is organized by the admin. The user has to choose an event from given list of events to participate. When the admin wants

to add an event, the application allows the admin to fill details such as date of event, place, name, head, image and additional information. All data is stored in the database and then it is shown on the users UI.

## **1. PURPOSE**

In this modern era, we can find for anything anytime, anywhere on the internet. Most people will find it on Google. When we look for something, we will go to Google search engines. Google has more than 35 trillion Web Pages on the internet and if we have a website how can people notice your website that is buried with other 35 trillion websites? The question is how to make our website can be in the top position of search results

## **EXISTING SYSTEM**

The information system for communication with alumni embodies one of many ways how university can keep tracking with its graduates. Except for communication between university and its graduates, the information system should allow communication between graduates themselves and their personal presentation in public.

## **OBJECTIVE OF SYSTEM**

1. To design and implementation of the ALUMNI Dashboard system will be available for general public use through the web interface.
2. A nonregistered visitor can look at the list of graduates according to year of graduation or a field of study. He can also look at graduates profiles.
3. The level of profile details shown to the public is limited. By default, a public visitor can only see name and surname of a graduate, year of graduation and a field of study. The faculty endeavors to propagate its graduates.
4. Graduates can enable to display this information in their profiles for public visitors.

## **LITERATURE SURVEY:**

“App for Organizing Alumni Event”, Sonal Sawant et al., In this paper, The earlier versions were based on traditional methods, it was not secured for registration purposes, and managing the user profile was not properly done. This traditional manual system had very little security i.e. anyone can take or lose the records. Therefore, we used the modern internet method so that no above problems, which was faced by traditional manual system, were in our system. This Event Management System is a project based on managing the events in the respective college.

”Design and Development of Alumni Career Information System using PHP MySQL” Mustofa Abi Hamid et al., Alumni data collection at the Electrical Engineering Vocational Education Universitas Sultan Ageng Tirtayasa was still performed manually and there were no career information media about soft skills training and development, tracer studies, and job vacancies information. Therefore, media is needed to accommodate career information and alumni data collection quickly and effectively. The web-based information system using PHP MySQL was developed and tested for feasibility as an information 3 medium for soft skills training and development, tracer studies, job vacancies information, as well as career counseling and consulting. This study used a Modify RD as a development method and the waterfall method as a development model consisted of analysis, design, coding (implementation), and testing.

“Design and Implementation of Student and Alumni Web Portal” Shaimaa Q. Sabri et al., In this paper, The Information and Communication Technology (ICT) has witnessed great development in the recent years. Therefore, the design of Students and Alumni Web Portal (SAWP) involves the analysis of the internal and external environment of the three universities. For this purpose, SWOT technique has been used to detect the deep effect of environment factors on the strategic plan to discover the strengths, weaknesses, opportunities and threats facing the design of the proposed system. SAWP was designed using (MySQL, HTML, CSS, Java Script, jQuery, PHP, AJAX) techniques to provide robust portal system addressing two subsystems: student and alumni portal system.

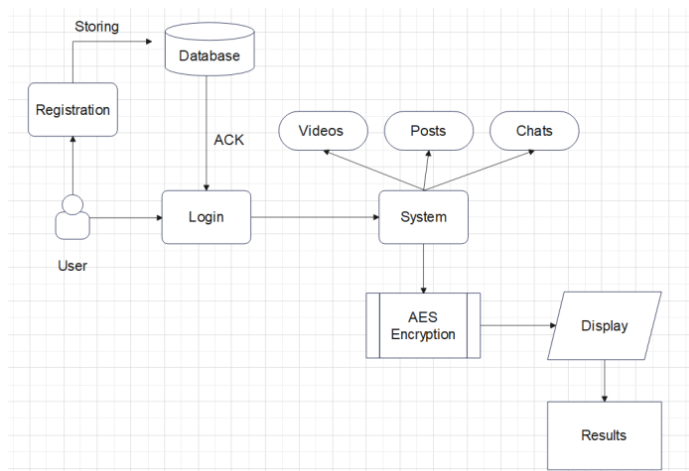
“Alumni network analysis” Martha Garrett Russell Stanford University; Alumni connections are important resources that contribute to university evaluation. Even though alumni connections represent networks, they have been mostly evaluated as tabular data (e.g. by providing average salary, employment rate, etc.). This ironically disregards all qualities of a network, from which an alumni network gets SNDCOE&RC, Department of Computer Engineering 2022-23 4 its name. It is desirable to evaluate an alumni network as a

network, because networks have the potential to provide very insightful information. Evaluation of alumni networks as a network has not been feasible in the past due to data fragmentation (neither universities nor companies willing to share meaningfully significant data in its entirety). Recently the feasibility of such analysis has changed, due to new trends towards democratization of information, accelerated by the Web 2.0 user-generated content phenomenon and crowd-sourcing mentality. Utilizing web-crawlers, we actively harvested data and assembled a dataset on alumni in leadership positions in technology-based industries. Moreover, we included a high proportion of startup companies, which allowed us to evaluate alumni networks with respect to entrepreneurial as well as technology involvement. We show that by analyzing alumni connections as networks, it is possible to uncover new patterns, as well as provide a new way of examining the old.

## PROPOSED SYSTEM

In this current situation all inter college events are handled manually by the students and the teachers; Also students who wants to get the information about the events will find it difficult to get the required information about its schedule like where exactly the particular events is going on, on what time, etc. Proposed system will provide all the information about the events at one place, also reduces the travelling between colleges for enquiring about the events. A System Architecture is the conceptual model that describe the structural view and the behavioral view of an application system. An architecture description may be a formal detailed information of the appliance and therefore the representation of that system is based on the way it is organized which contains the reasons about the structures and behaviors of the application. A system architecture involves of system components and the sub-systems developed, that will collaborate to implement the overall system.

## SYSTEM ARCHITECTURE



**Fig -1:** System Architecture Diagram

## IMPLEMENTATION DETAILS (Modules)

1. **Registration:** This module is developed to create user interface to get basic registration details of user into the system. The module allows the user to create an account before enter the personal information.
2. **News Bulletin:** This module is developed to publish the information on events happened in the institution. As the app is developed to connect and communicate the alumni of institution, this module is developed to send messages and share current information on social sites, this app is a best media to alert friends of important news regarding association events.
3. **Gallery:** Gallery module displays the entire best photo through photo organizer. It supports the members to view latest photos/images.
4. **Smart Connect:** This module establishes an online discussion site like Internet forum or message board. This will help the viewer to hold conversations in the form of posted messages.

5. **Timeline:** A timeline is a way of displaying a list of events in chronological order, sometimes described as a project artifact. If a user adds a wall post to his or her own account, their status will change to the new post.

6. **Post:** This module is developed to upload and share some text/image in the mobile app. The upload section in the smart connect menu allow the user to upload a file and provide a short description of the uploaded file.

## **ADVANTAGES**

- Avoid time consuming work.
- Best for students after there college will completed.
- Easy to use.

## **APPLICATION**

- Colleges.
- Universities.
- Hostels.

## **ALGORITHM/TECHNOLOGY**

### **Android Studio**

Android Studio is the official integrated development environment (IDE) for Android application development. It is based on the IntelliJ IDEA, a Java integrated development environment for software, and incorporates its code editing and developer tools.

### **Xampp**

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

## **SYSTEM REQUIREMENTS**

### **Software Used:**

1. Technology: Android Studio, Xamp
2. Operating system: Windows 7 or above

### **Hardware Used:**

1. CPU: i3 or above
2. RAM : 4GB or above
3. Hard Disk : 80 GB or above

## **CONCLUSION**

Hence Our Alumni system solves the problem concerned with graduate's feedback to the faculty with an inquiry module. In this module the faculty can define questions with answers which active graduates can respond. This module should be used for collecting data which are not included in graduate's profiles and have high information value for the faculty.

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