

Alumni Tracking System Using GPS

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ABSTRACT

This work is aimed towards developing a Repository and each Engine for alumni of a college, which is of importance to an institution. The Alumni tracking system is a mobile based application that can be accessed throughout the World. The Alumni Tracking System provides the way in which alumni can stay connected with college which has been very important part of their memory. Alumni Tracking System does not connect only college with its alumni but also it connects current students of college and its alumni. So that the bond between existing students and pass-out students will become strong and there'll be direct flow of data between them. Alumni Tracking System have features for both existing student and alumni like Content Management System, Discussion Groups (Forums), Career Center, GPS Tracking, etc. We understand the importance of "staying connected" & therefore structured a portal which is equipped to let you connect, build credibility and expand upon the Graduates and to manage the alumni information.

Keywords : Alumni, Alumni Tracking System, Science and Technology, Content Management System, GPS tracking.

I. INTRODUCTION

The alumni association is one of the most vital part of an academic institute or an organization. It says a ton about the standard of education imparted therein the institute. Many students wish to come back to their college that has been a really important part of their memory. They wish to return back to their college by giving their valuable time. They feel obliged to the institute that opened new avenues of jobs and careers for them by building them academically and mentally strong. Most of the great colleges ensure an all-round development of the students. They impart special sessions to grill the students and prepare them for the interviews. There are various sorts of co-curricular activities and competitions organized by the institute. Overall description consists of background of the whole specific requirement. It also gives explanation about actor and performance, which is employed. It gives explanation about architecture diagram and it

also gives what we are assumed and various dependencies. It also support specific requirement and also it support functional requirement, supplementary requirement aside from actor which is employed. It also gives index and appendices. It also gives explanation about any doubts or queries. Once a student graduates from the institute, his/her professional life or career starts, with higher education playing an crucial role in establishing himself/herself within the profession. In respect of College, it's been our experience that from the very beginning, the alumni have maintained personal contacts with each other, instead of using the channel of Alumni Association. The growth and innovations in information technology have certainly helped in creating new resources like alumni pages, list servers etc., in order to permit greater interactions between the alumni.

II. PROBLEM STATEMENT

Currently, there is no mechanism for the colleges and the universities to keep a track of the students passing out. Hence, the problem is to develop an application for colleges and the universities to keep a track of the Alumni. The said application should have the following features:-

- (a) allow the Alumni members to register themselves.
- (b) allow colleges to verify and authenticate their registered alumni.
- (c) provision for alumni members to update their details.
- (d) allow the colleges to search details based on criteria such as year, degree and branch.
- (f) post events and updates by colleges.
- (g) department wise group chats.

III. EXISTING SYSTEM

In the past, alumni relations, or interactions, were to be treated as a standalone activity divorced from fundraising and other advancement activities. Indeed, some alumni associations were entirely independent of their parent institutions, and whilst their members interacted with one another, they had little or no interaction with the institution. Also, Alumni Website was developed using static page instead of dynamic page. And also in existing system, maximum work goes on manually and it's error prone system, it takes time for any changes within the system. The alumni portal is accessible for ex-students and not for current students. This is a major hurdle in the flow of information and guidance to the existing student. The institution maintain separate portal for existing students.

A. The limitations of existing system:

- Maintaining two portals is expensive.
- No link or connection between Alumni portal and college portal for existing students.

- No direct flow of data and news from ex-students to current students.
- Alumni has got to use the alumni website to learn about new events or updates.

IV. PROPOSED SYSTEM

In this work, we decided to go one step further by integrating the college portal and alumni portal. The first type of interaction to enhance alumni networking is social interaction. An Alumni association or convocation is solely a network for social interaction that has cost initiatives valuable financial and human resources. The portal is escorted with a Content Management System used for storing, controlling, versioning, and publishing university-specific details. The post section will offer a user-friendly environment for facility scheduling and event management. The portal will also have facility to post data in case of any upcoming event or job opportunities posted on a portal so that users of portal are aware of the updates on portal. We can understand the job location of the alumni with the help of GPS. Admin will ask the permission to the alumni for the location.

A. The advantages of proposed system

- By using this system a great link for communication can be maintained between the passed out students and with the college
- A good networking can be maintained in between the current student and alumni, by using this system the student can clear their doubt in any area, the Alumni student can share their knowledge, materials and experiences, everything can be possible by using this application.
- In case of any emergency, if the Department wants any information about a particular alumni then they can get it easily by using this system.

- Also we will provide to include module where user can post event or jobs details for concerned members.
- A number of colleges can use this application using unique college name.

V. ARCHITECTURE

A. MODULE DESCRIPTION

1. Enterprise Social Requirements:

The first type of interaction to enhance alumni networking is social interaction. We not only let you perform social interactions between the institution and its alumni members, but also, and more importantly, between the alumni members themselves. By executing relationship marketing initiatives amongst the alumni constituents successfully, the alumni become institutional brand ambassadors and spread a positive message by word of mouth about the institution acting as brand ambassadors.

2. Giving Back to Institutions:

"An Alumni association or convocation is solely a network for social interaction that has cost initiatives valuable financial and human resources". Our portal helps universities looking to their alumni associations either for fund-raising or to assess feasibility of those units.

3. Content Management System:

The portal is escorted with a Content Management System used for storing, controlling, versioning, and publishing university-specific documentation.

4. Event Management:

The post section will offer a user-friendly environment for facility scheduling and event management. This section provides centralized management of all your small to mid-size events.

5. Discussion Groups (Department chats):

Making the application a hub for information and discussion encourages visitors to return again and again. It's also a highly effective way of improving the service to customers or users of the website. The discussion groups featured in the portal keep up to the forefront of new Internet innovations, while always keeping an eye on security and performance. It allows the alumni and current students of each department communicate with each other through distinct department chats.

6. Career Center:

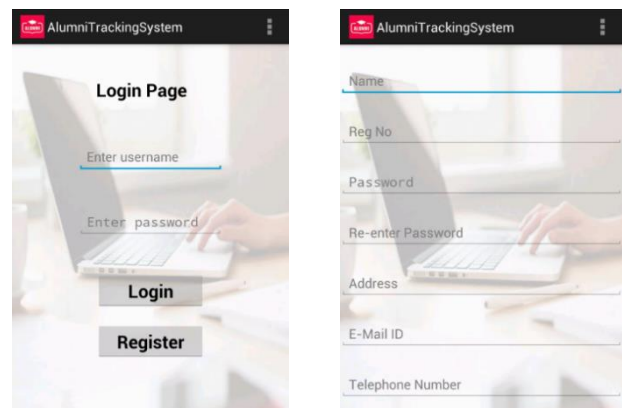
Attrition has been a common issue in almost all organizations. In order to tackle the problem, the portal will provide a Career Center. This provides advertising for the vacancy in addition to the existing measures the university takes for recruitment. Here the alumni can post the details for any recruitment under the care of them.

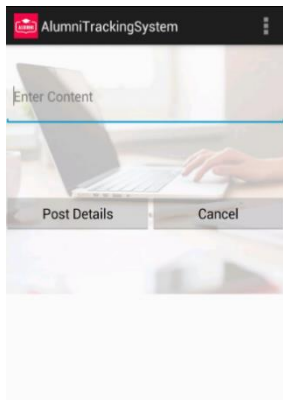
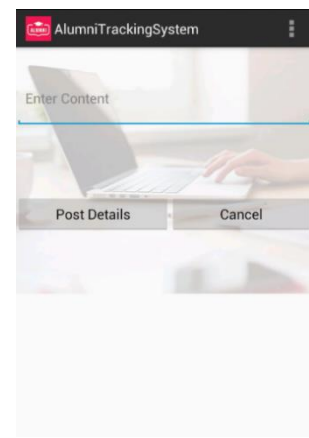
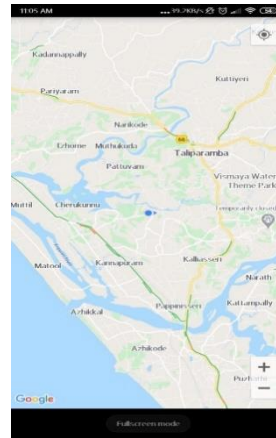
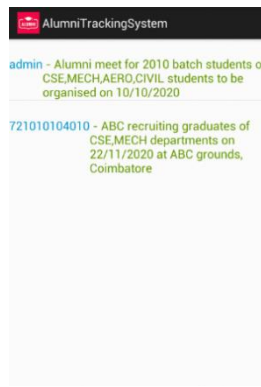
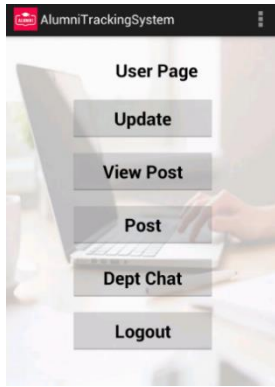
7. Location Tracking by GPS:

The location of each user of application can be gained to understand the current address or area of residence of each alumni. Every time a user opens the application, his/her location will be notified to the admin. (With location permissions).

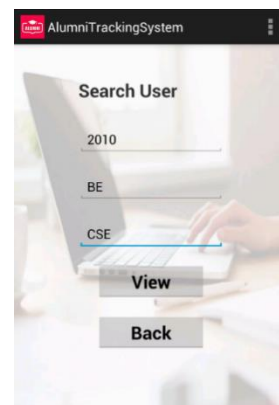
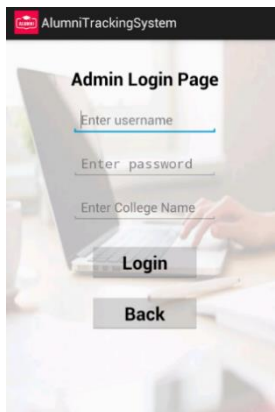
VI. RESULTS

A. USER SIDE SCREEN





B.ADMIN SIDE SCREEN



VII. CONCLUSION AND FUTURE ENHANCEMENTS

A. CONCLUSION

So the Alumni Tracking System is mainly used to share the views between the users of the application which is extremely useful to upgrade the knowledge of everyone. The application additionally function as a useful site to know what is happening in our college and can also know about the various opportunities of the outer world. The application can be further expanded by following the future Enhancements mentioned below.

B. FUTURE ENHANCEMENTS

It is impossible to develop a system that creates all the requirements of the user. User requirements keep changing because the system is being used. Some of the future enhancements that can be added to this system are:

- As the technology emerges, it is possible to upgrade the system and can be adaptable to desirable environment.
- Because it is based on object-oriented design, any further changes are often easily adaptable.
- Based on the future security issues, security can be improved by involving emerging technologies.
- Attendance module could be added.
- SMS notification system could be added.
- Full time GPS tracking could be added.

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