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BVDUCOE College Alumni Portal

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ABSTRACT
Alumni portal is providing common platform for every organization. Owing to the need to have all the Alumni (already passed out students) must be connected to the organization, resulted in sharing their views, experiences, guidance, ideas, strategies, and motivations .The aim of Alumni portal application is to allow old and current students of the college to have interaction. This allows students/alumni to know about themselves and their current activities. This portal focuses the feature of interaction/communication, which will enable the current students to have interaction with the alumni of the college or organization for getting various updates on current industry trends, Internship opportunities, project sponsorship and various referrals opening in the corporate world. In this project we proposed the Dynamic design of the Alumni portal, enable the duplex interaction between all alumni and students.

Keywords: — Portal, Alumni Portal, Entrepreneur, Stakeholders, Interest Matching Engine, Dynamic Architecture, Peer To Peer, Special Interest Group

I.   INTRODUCTION

An alumni portal is a platform where the college, alumni and the institute/college students can interact with each other for their benefit. The students can share their views or queries or experiences on to portal regarding certain events and internship opportunities.

A.   *Use of this portal*
1) Connecting and Networking with different alumni
2) Follow current threads and events
3) View internship opportunities provided by the alumni
4) Referral recruitment drives

Fig. 1.Structure of portal

II.   EXISTING SYSTEMS

B.   *Literature Review*

For the Alumni Portal We have observed four current alumni Portals:

1) ***Harvard Alumni Association:*** Homepage of this portal shows the features like login tab so that the alumni can login easily, make gift for various occasions like birthdays or anything else, ways to connect for connecting the junior and the pass out students. With that Harvard provides Features such as, Lecture details which describes the schedule, News for surrounding information's, events and the Notice are displayed on home page itself with the present event. It gives the chance for donation, the scenario when the alumni/student he/she feels that they can help the institute/organization in terms of donation. Apart from all this we have observed the unique feature that it provides the embedded video on the homepage and this makes the whole portal very appealing [4].

2) ***IIT Kanpur:*** IIT Kanpur has lectures details with specific day and time, Gallery with many images; contacts which show whom all are connected with this portal, woman alumni convention as separate for the woman only on the Home page. And Notice with highlighted form is shown for better visualization. Also gives the Donor Initiative Chance. Indian Institute of Technology, Kanpur displays events and information where the current events are highlighted and also there is a separate
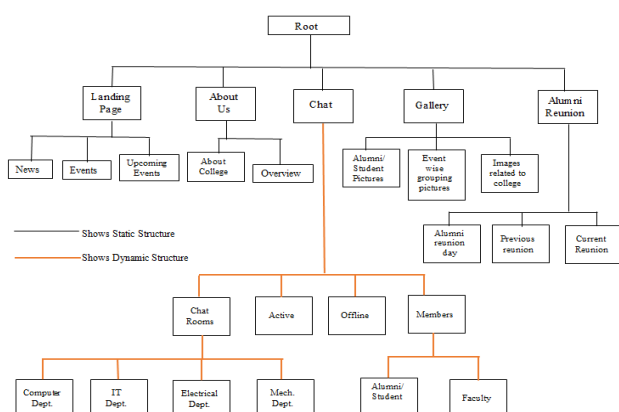
women alumni convention and that is the unique feature [5].

3) ***Princeton University Alumni Association:*** This portal has different functionalities in their homepage like Calendar for the current and the incoming events and activities. This portal provides the feature that are same as IIT KANPUR like visit for guide allocation is given so that the junior student can get the solution or the advice from their difficulties, gallery present on the home page. But the difference is that this portal provides the donor initiative in terms of sponsorship. It provides a unique feature that alumni and current students are classified on the basis of regions and communities so that the students/alumni who belongs to the same region will get listed together [6].

4) ***ITMB Alumni Portal:*** The homepage of this portal shows the search window for finding the alumni or student whether he/she is integrated with the portal. It provides the similar features like all portals we discussed earlier (IIT Kanpur, Harvard Alumni Portal, Princeton University). At the homepage of this portal the notice is placed in the highlighted form not only for the better visualization but also for making the portal active. It also provides Donor initiative for college. [7].

C. *Short Falls in Existing System/Portal*
- Majority of the alumni portals do not provide interaction between alumni's / students.
- No chat rooms specific to topic/ interest / domain.
- No direct registration.

III. PROPOSED SYSTEM

We are developing the one of the best alumni web portal which will provide efficient communication platform through online chatting, profile viewing and personal messaging within three main constituents of the institute which are – College ,College students , Alumni. Proposed system should overcome the shortfalls of existing system by providing following features:

- Proposed method to overcome on shortfalls includes following features.
- Provided Special interest group (SIG) chat rooms.
- Personal in private chatting.
- Access of contact details on request.
- Auto registration of all students.
- Passed out students are automatically promoted as alumni upon completion of their course or degree.

D. **Motivation**
- Although our college website is quite good but it has not the feature of communication with the alumni and student.
- This makes troubles for the current students in terms of internships, industrial training.
- It does not have the any key to the problems which are related to education and career.
- It does not provide any information about the current status of jobs in different companies & industry and news.

E. *Objective and Scope*

1) *Objective:* Alumni's are:

- A valuable source for referral recruitment.
- A goodwill - the current students will monitor the treatment of their ex-students i.e. alumni as an indication of how they would be treated in the same situation or how they should react in different situations.
- Alumni are a very useful forum of critical watchers. Alumni will provide you with very valuable information about the views and ideas from the external world.

2) *Project Scope:*
- This alumni portal would provide common platform for interaction of alumni, students and college altogether.
- Portal provides dynamic feature such as active user status, chat rooms, personal chatting & messaging
- Virtual alumni meetings
- Job posting
- Internships
- Industry sponsored projects
- Entrepreneurial guidance.
- Online expert lecture videos
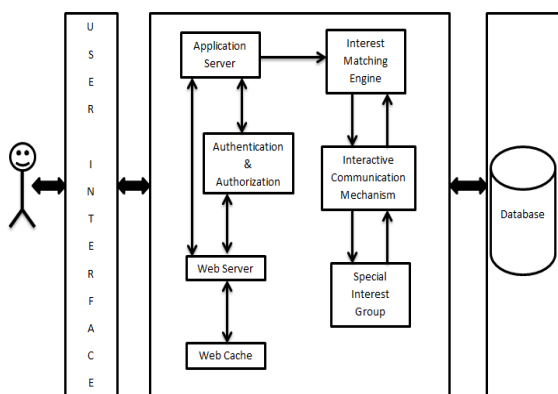
F. *Proposed System Architecture*

Fig. 2. Proposed System Architecture

G) Technical Details

1) Methodology:

- **Auto Registration**- People do find it very apathetic to register on any website until they forced on. So this alumni portal will be providing the automatic registration service. Once the student has taken the admission into the college, the personal details of that student will be instantly uploaded onto the portal.
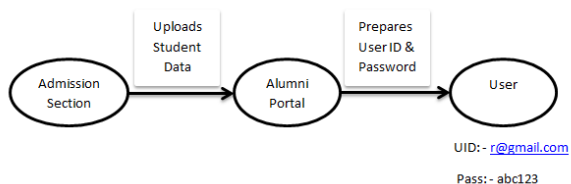

Fig.3. Auto Registration

- **Interactive Communication-**This portal will provide different chat rooms for different departments such as Electrical Dept, IT Dept, Mechanical Dept, Computer Dept ,EXTC Dept etc. and also provides different discussion platform for certain purposes such as discussion platform for different languages such as perl,python etc. , or discussion platform for any general topic.

- **Auto Promotion-**Auto promotion of existing students into a new role i.e. of an alumni. For e.g. Student admitted in 2012 will become alumni in June 2016.

Pseudo code for auto promotion (of regular student)

```
if student course is equal to 4 years and month
June
     then
          convert the status of user from student to
alumni
```

else
    keep the user in current state.

Pseudo code for handling the conversion (of the failure student to an alumni)

```
 if user has drop year
     then
          send e-mail to verify the status &&user
selects "YES"
               then
                    keep the user in current state
else
     convert the status of current user to an alumni.
```

2) Project Requirements

- **Software Requirements**

  Technology: JAVA
  Web Technologies: Html, JavaScript, CSS
  Database: MySQL
  Web Server: Glassfish

- **Hardware Requirements**

  Processor: Intel
  RAM: 1GB

IV. BENEFITS OF PROPOSED SYSTEM

- We have visited many college web sites and hence we found out that college alumni portal is must.
- Our institution (BVDUCOE) also does not have this web portal yet. This motivated us to work on this project.
- Majority of the college websites do not have the feature of alumni web portal due to which the existing students cannot communicate with the alumnus.
- Due to lack of this service we can provide them with respective college alumni web portal through technologies such as Cloud.

H) Competitive Advantage of Project

- Communication - Direct or peer to peer communication of the students with the alumni students. Different chat rooms for different departments.
- Automatic Registration - Automatic registration upon completion of course, notification through SMS and email.
- Birthday Reminders - Scrolling birthday notification on front page

- Auto Promotion - Auto promotion of an existing student into a new role i.e. of an alumnus. For e.g. Student admitted in 2012 will become alumni in June 2016.

V. FUTURE SCOPE

- In order to ease the work, an Android app can also be built.
- To add certain social networking features such as of LinkedIn.
- To involve companies to avail the services of this platform.

VI. CONCLUSION

Alumni portal for any college website is very important. Alumni portal has been setup to increase interaction, knowledge sharing and networking among the alumni students. Alumni portal focuses on bringing together alumni students of college. The primary goal of this report is to connect the alumni students with the college and existing college students with the help of alumni web portal where they can have communication with existing students and college.

ACKNOWLEDGMENT

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