

INDER-LOK

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Abstract- INDERLOK is a pioneering initiative aimed at establishing a dynamic platform to facilitate robust engagement between alumni, current students, and potential employers. The project's primary objective is to create a supportive ecosystem wherein alumni play a pivotal role in providing mentorship, training, and forging valuable corporate connections for students and recent graduates. Through a combination of online forums and physical events, INDERLOK aims to bridge the gap between academia and industry, ensuring a seamless transition for students into the professional realm.

Methods: The project employs a multifaceted approach, including the development of an interactive online forum where alumni can share insights, offer guidance, and provide networking opportunities. Additionally, INDERLOK organizes workshops, seminars, and networking events, both virtual and physical, to facilitate direct interaction between alumni and students. The project team collaborates closely with alumni associations, industry partners, and academic faculty to curate relevant content and facilitate meaningful engagement.

Results: INDERLOK has garnered significant traction since its inception, with a growing number of alumni actively participating in mentoring programs, workshops, and networking events. Feedback from both alumni and students indicates a high level of satisfaction with the opportunities provided by the platform. Notably, several students have secured internships, job placements, and mentorship opportunities through their engagement with INDERLOK, highlighting its efficacy in bridging the academia-industry divide.

Conclusion: INDERLOK represents a promising model for enhancing alumni engagement and facilitating career development opportunities for students and recent graduates. By harnessing the expertise and networks of alumni, the project has successfully created a supportive ecosystem conducive to professional growth and development. Moving forward, INDERLOK aims to further expand its offerings and impact, ensuring continued support for the academic and professional success of its stakeholders.

Keywords: INDERLOK, as per the name we propose that this portal is solely dedicated to alumni engagement, student training, corporate connection, mentoring, networking, career development, academia-industry collaboration for our college i.e. Inderprastha Engineering College

1. INTRODUCTION

In today's fast-paced world, thousands of students complete their degrees in colleges every year. However, they often lose touch with their seniors, juniors, and teachers once they graduate. To address this issue, we have created a platform that facilitates communication and connection between all these individuals. This platform will not only help colleges organize events, but also enable alumni with industry experience to conduct seminars and provide job and internship opportunities to regular students as well as freshers with training modules. Moreover, alumni can mentor students on projects, resume building, as well as prepare them for interviews. To leverage the strength of alumni networks, effective communication between students and alumni is crucial. We have provided certain features into our platform to make it easy for alumni to register and share their profiles with their unique college ID. This will enable students to easily access career information about alumni and seek guidance for internships and jobs. Furthermore, students can seek help from alumni for training or gaining insights into new start-ups. The platform also provides an additional opportunity to mentor students in hackathons and higher studies, as it provides information about all such events in one place within a particular region. This creates healthy competition and inspires students to strive for excellence, thereby increasing the value of the college and its students in the industry.

2. RELATED WORK

1. Gabriel Resende Gonc Et al.: In this project they study an undergraduate program which prepare its students for the major needs of the labor market. The main ways to identify what are the demands to be met is creating a method to manage information of its alumni. Overall, by using a few alumni pages as an initial set of sample data, the proposed method could gather information concerning a number of alumni twice as bigger than adopted conventional method.

2. Silvia Quarteroni Et al.: Proposes Interactive question answering (QA) systems, where a dialogue interface enables follow-up and clarification questions. This is for open- domain QA system, ensuring that chat bots canbe effective in supporting interactive QA.

3. Harvard Alumni Association Et al.: Homepage of this portal shows the features likelogin menu which allows alumni to login easily,make gift for various events like birthdays or anything else, way to connect for between the junior and the alumni. It also provides features such as, lecture details, news, events and notice.It provides the opportunity for the alumni to donate to the institution. It also has unique feature of embedded video on homepage.

4. IIT Kanpur Et al.: IIT Kanpur has lecturesdetails with schedule, gallery and lists the usersintegrated with this portal. Also gives the Donor Initiative Chance. Indian Institute of Technology, Kanpur displays events and information and also there is a unique feature ofwomen alumni convention.

5. Hindustan Institute of Technology andscience Et al.: This portal has alumni, student,admin and faculty members as users. It providesvarious features such as plan and registers events, advanced search options, featured alumni scrolls etc. But has the drawback of non-members can also access the alumni page and see the news and events.

6. Subashini Et al.: The proposed system is a web-based application which can be used by alumni and students with the help of admin. Alumni will be able to organize get-together and find out about job opportunities using this system by updating their profiler. Sasikumar et al. International Research Journal of Multidisciplinary Tec novation 2020; 2(5): 42-50

3. PROPOSED WORK

This section comprises of three sub-sections – the flow of the work as well as activity Diagram. The workflow is shown by the three ends Alumni’s end, Student’s end and Admin end to describe processes and use cases as wellas to document the implementation of system processes. This section comprises of two sub-sections–the flow of the work as well as the database and Entity-Relationship Diagram. them guidance in related field and discus with them.

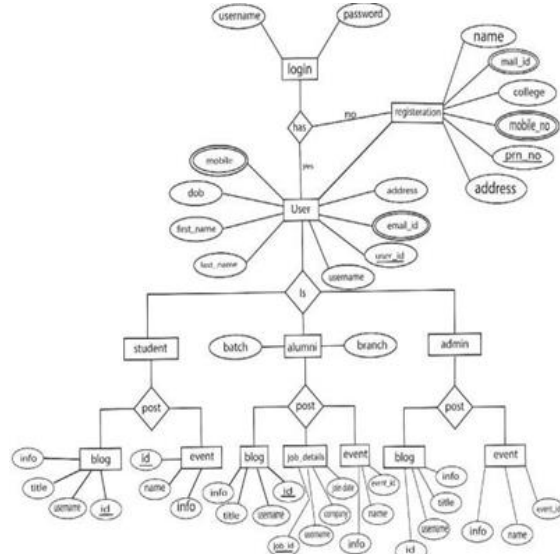


Figure 1: ER diagram for Alumni Connect Forum from

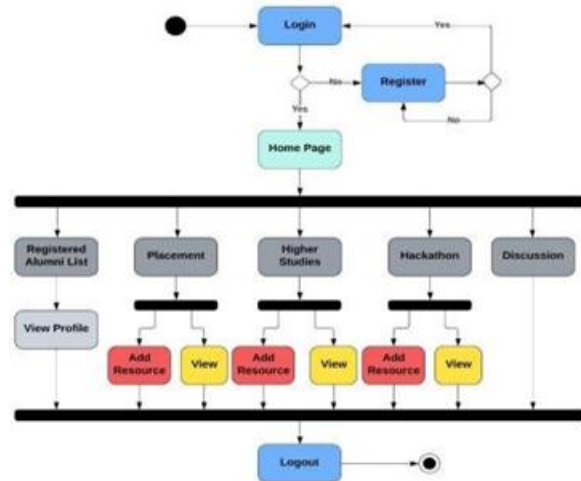


Figure 2: Activity diagram for Alumni Connect Forum from Alumni User Interface

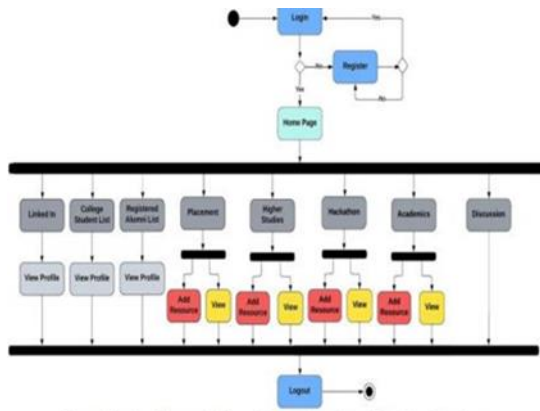


Figure 3: Activity diagram for Alumni Connect Forum from Alumni User Interface

A. Alumni User Interface:

Figure 2 presents the activity diagram for our proposed system. Alumni require registration. Minimum credentials have been used for registration. As this diagram states Alumni first register on the portal by entering essential details then it is verified at institute level. Respect for privacy details has been a priority during the system's design. Once in the system the alumnus gets to add his/her institutional affiliations. The data in the alumni portal reflects in their profile. After successfully creating account Alumni can access the portal and its features

As an alumnus as user has access to some features of portal such as:

- View registered alumni list.
- View profiles.
- View placement section and addressources.
- View Highers Studies section and add resources.
- View Hackathon section and addressources.
- View and do discussion.

Alumni can access all this features and connect with the students by providing

B. Student User Interface:

Figure 3 presents the activity diagram for our proposed system. Students require registration. Minimum credentials have been used for registration as well as college unique ID and all required things. As this diagram states Student first register on the portal by entering essential details then it is verified at institute level. Respect for privacy details has been a priority during the system's design. Once in the

system the student gets to add his/her institutional affiliations. After successfully creating account Alumnican access the portal and its features. As main user of this portal is student, then student have access to all the features of the portal. This portal is created for the communication between the student and Alumni. In this portal student have access to all features such as follows

- View the linked in profile of Alumni.
- View the College students list.
- View the profile of Registered alumni.
- View placement section and addressources.
- View Higher studies and addressources.
- View Hackathon section and addressources.
- View Academics section and addressources.
- Participate in discussion.

As a student user can have all these facilities student can communicate, gain knowledge and explore the more things.

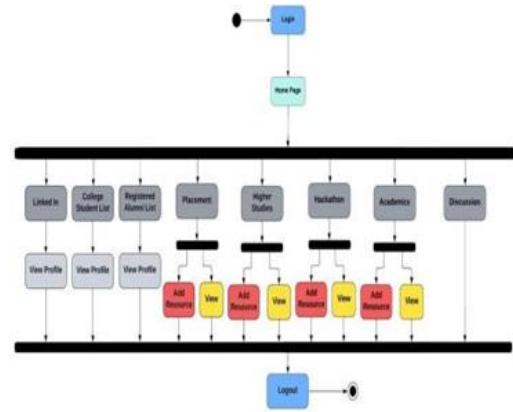


Figure 4: Activity diagram for Alumni Connect Forum from Student User Interface

C. Admin User Interface:

Figure 4 presents the activity diagram for our proposed system. As this diagram states Admin first register on the portal by entering essential details. Here Admin has all authority of access of all features. After successfully creating account Admin's role in this portal to verify all the resources provided by the Alumni and Student is correct or not also Admin keep eye on discussion, if anyone is doing any illegal activity. As Admin is institute's person so it should keep record of all portals for institute's purpose also. Admin can manage the user and resources.

In this portal Admin have access to all features such as follows

- View and manage the linked in profile of Alumni.
- View and manage the College students list.
- View and manage the profile of Registered

alumni.

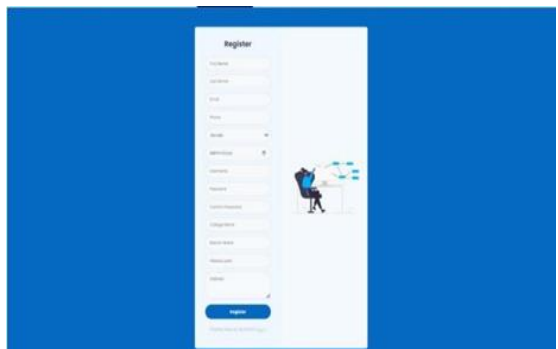
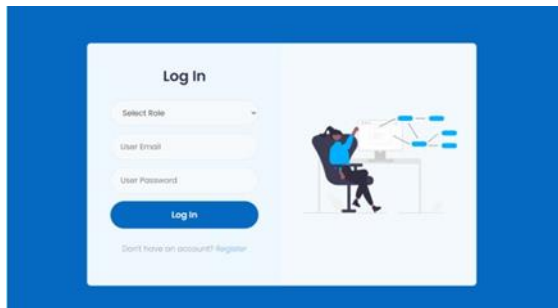
- View and manage placement section and add resources.
- View and manage Higher studies and add resources.
- View and manage Hackathon section and add resources.
- View & manage Academics section and add resources.
- View & manage in discussion.

4. RESULTS AND DISCUSSION

The results of this portal are how this portal is useful to each user Alumni, Student and also Admin. The following are the results which obtained from this work:

1. Students can connect with their Alumni.
2. Students can communicate with their Alumni.
3. Students get proper guidance regarding exams, placements, higher studies, hackathon and college activities.
4. Students can get the resources which is shared by their alumni.
5. Students are able find the LinkedIn profile of their Alumni very easily for future use.
6. Students can view and write also post related their experience also.
7. Alumni able to connect college students.
8. Alumni able to communicate with college students.
9. Alumni able to share their experience regarding exams, placements, higher studies and hackathon to college students.
10. Alumni able to add the resources on this portal also.
11. Admin can access all the features of this portal.
12. Admin can manage the accounts of user (students and alumni also).
13. Admin verifies the resources provided by the student and alumni also, if it is approved by admin then it will post on portal.
14. Admin keep eye on discussion also to check that anyone is doing any illegal action.
15. Admin can keep all the data of portal for analysis purpose or institutional use.

S.No	Name	College Name	Branch Name	Year	Roll No	Action
1	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
2	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
3	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
4	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
5	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
6	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
7	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete
8	Aranya S. G. Jyoti	WISSCE	IT	18	18	Add More Delete



5. FUTURE SCOPE

- a) This proposed system gives information to users by using this portal as now we created just web application, we are planning to do mobile application also.
- b) As now we are keeping this portal is free for all, but in future trying to add memberships which will provide the extra features.
- c) Also, can include long range interpersonal communication highlight.
- d) The website could be integrated with various social media platforms, allowing users to easily connect with alumni and stay updated on their latest activities.
- e) This website could be integrated with some fund-raising features related to College and projects.

6. CONCLUSION

This system enables a significant level of interaction to be sustained between the college and its alumni. By utilizing this system, the current students and alumni can establish a strong network, and the former can address any doubts they may have in any area. The latter can also share their industrial knowledge, materials, and more through this application. Furthermore, in case of emergencies, students can quickly obtain information about alumni, including their social media handles and contact information, by utilizing this system. All of the above-mentioned features will be incorporated into the current project.

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