Alum

Connecting NSUT alumni and students for a brighter future

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ALUM

Problem Statement

What's the point of a strong alumni network if you have no means of communication with them.

NSUT is among the best engineering institutions of India and hence also has a great alumni network. However, there is no easy way for the alumni to participate in various activities taking place at their college after their graduation. Even the students have no means to connect with their seniors and hence are not able to avail the full benefits of the university.

Having such interactions if beneficial for both the alumni and the student. The students have access to some great employers, teachers and funders and simultaneously the alumni can find great talent at their fingertips.

After the graduation even the college loses track of their alumni's due to the change in the individuals' social credentials throughout their journey. Having this data can be quite helpful the university as well.

Both alumni and students of NSUT require a medium to do the above and aim to solve the same problem by developing a platform to promote such interactions in the community.

Objectives

We aim to gather all the spread-out data about our alumni and students and make a platform which helps people a part of NSUT to access the same information on a web portal in an interactive manner.

Another purpose of the platform is allowing alumni to make job/internship offers and fund various college startups on the portal.

Various college events will also be updated on the platform in case some of the graduates want to attend those events. Alumni can even send a request to conduct a session for students which they think can help them, whenever they are able to offer time.

The desired application may allow the students to interact with each other and their seniors in the forum section of the application so as to get accurate information at one place rather than dispersed inaccurate information.

Approach

Alum is a connectivity platform designed exclusively for NSUT. It will help both the alumni and students of NSUT by letting them connect and interact with them in a variety of ways.

It is a cross platform web-based application in which students and alumni of NSUT can register by confirming their identity by some means.

The platform will be providing a means for the students and alumni of the university to interact with each other on the portal. People can also search for other students and batchmates on the platform. The alumni can be updated about the various events taking place at the university through the portal and the students on the other hand could be given job and internship opportunities by their seniors. The seniors can even plan teaching sessions for the students through the portal.

Startup funding and sponsorships along with a forum to discuss college related things are some other features of the platform.
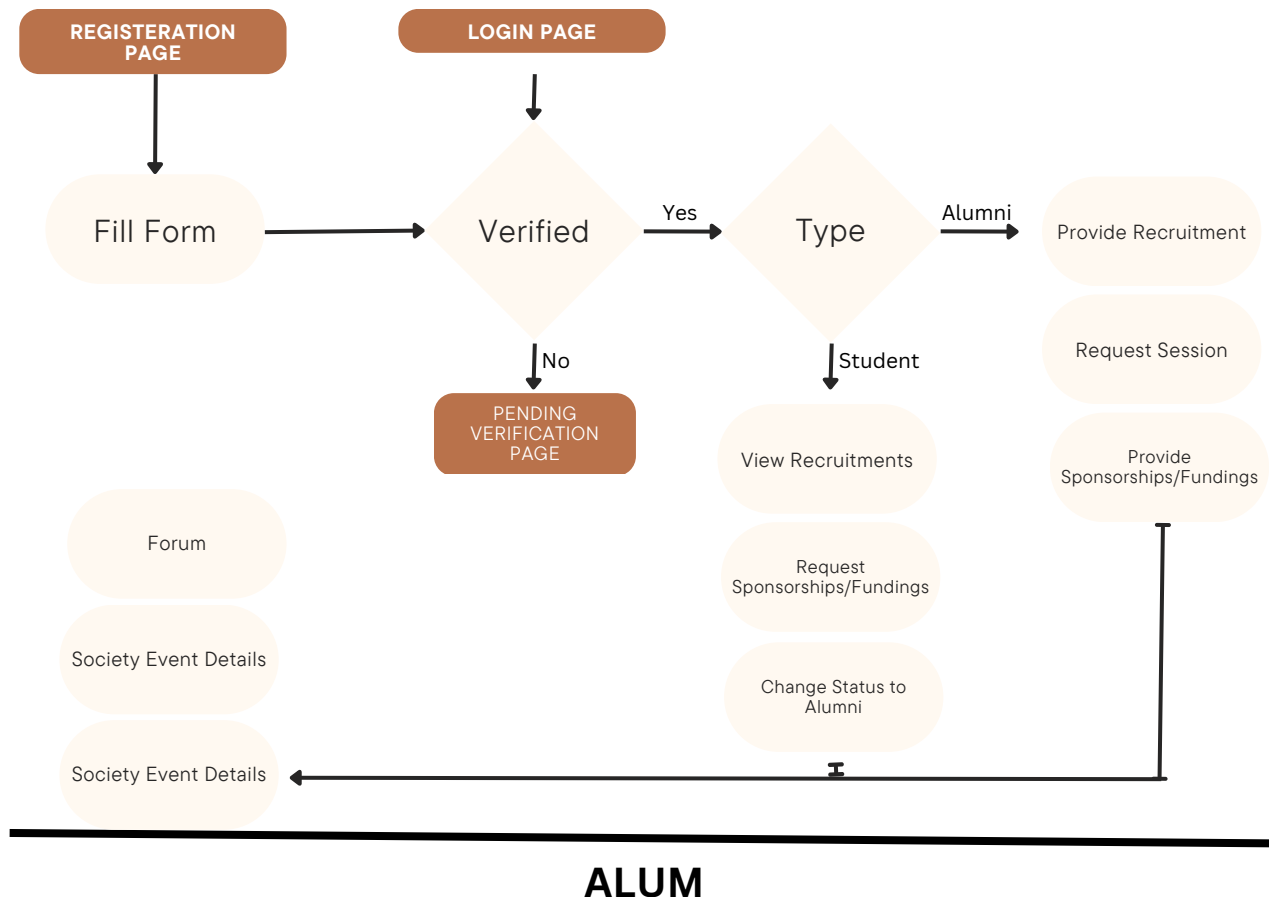
A brief description of the subsystems of the portal:

- User Managment System - It maintains a record of all the registered students and alumni. This also helps students and alumni find their batchmates.

- Post Management System - All the events at the college can be updated here by admins on the application through the admin portal.

- Offer Managment System - Alumni offers made to the students are updated here.

Approach

- Funds Managment System - Sponsorships and startup findings can be requested here by the students.

- Session Managment System - Requests by alumni to conduct sessions at the college are posted here.

- Form Managment System - This section will facilitate the new posts at the forum.

- Image Managment System - All the images uploaded on the platform will be updated on a subset of this system to provide efficient file management. The data will be compressed and saved as a base64 string.

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Product Functions

- Registration, Reset Password and Login -
    - To verify that the user is a part of NSUT, he/she first has to register to the platform and confirm their identity.
    - The user is required to share their name, batch, email, phone number, their type(alumni/student) and some proof of enrolment. The user also has to verify their email with an OTP and later set a password.
    - Once the registered the user can login to the portal using their login credentials, and if their data is verified on the backend then can even start using the platform.
    - In case the user forgets the password, it can be reset by an OTP sent to their email.

- Forum -
    - Both alumni and students can use this section of the application and interact with each other on topics of their choice.

- College Updates -
    - This section will keep the students and the alumni updated of the various events that are currently taking place at the university.

- Universal Search -
    - Can be used to search data about any current or past student at the university registered on the platform.

Alumni Specific Features -
    - Provide Recruitment -
        - Recruitment offers and Internships can be posted here.
    - Provide Sponsorships/Fundings-
        - Requests for fundings/sponsorships can be answered here.

Product Functions

- Request Sessions -
  - Alumni can post request to conduct a session in the college at a given time on the platform.

Student Specific Features -
- View Recruitment -
  - Students can view various recruitments posted on the platform here.
- Request Sponsorships/Fundings-
  - Requests for fundings/sponsorships can be created here.
- Change Status
  - The students can change status to alumni on graduation here.

System Requirements

The application is web based and hence a browser having JavaScript support is required to use the application.