

# HACK NITJ '20

**Problem Statement Title :** Alumni Tracking System

**Organization :** Government of Goa

**Category :** Software

**Problem Statement Number :** DR111

**Domain Bucket :** Software – Web App Development

**Team Name :** Hacking Bad

**Team Leader Name :** Arsh Goyal

## PROBLEM DESCRIPTION

**Problem Statement:** Alumni Tracking System

**Problem Description:** The Directorate of Higher Education has 7 Government College and 26 aided colleges under it. Altogether more than 10000 students pass out from them every year either choose to opt for further studies, work or have their own startups. Currently there is no mechanism for the colleges and the Directorate to keep a track of the students passing out. Hence the problem is to develop a web based application for colleges and the Directorate 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, subject, etc. (e) allow the Directorate to search details based on criteria such as colleges, year, subject, etc. (f) send messages and emails to alumni members (g) group chats, create events, publish notices on the portal (h) Security features with login for every user.



## Solution Details

- A web application to be build with **two portals** for students and colleges on the same platform.
- The students will have to first **register** on the app via email or **any other social authentication**.
- Student has to submit his **Aadhar card** as pdf or photo to prove his identity and **college id card, library card, or mark sheet** or any other detail to prove his college identity (any one). College can verify the detail from the backend portal.
- Alumni Members can **update** their basic info like job, city **anytime**.
- There will be a **feed section** in the app where alumni members can **share any post, photo** to share posts, **visible only to their batch mates**. Any updated info of alumni regarding his work, job will be automatically shared on feed.
- All the members can click and **see the profile of other members**.
- Colleges can **send bulk messages and mails** to all or specific batch students from the backend portal.
- There will be **group chat** for every batch members.
- **Non-Alumni Students** can also register on web application. Alumni Members can **post internships** on feed section for juniors.

# Technology Stack

- **Backend** : Django 2.2.6
- **Frontend**: HTML5, CSS3, JavaScript
- **Database**: POSTGRE SQL
- **SMS Service**: Twilio API
- **Email Service**: Gmail



