



Alma Link

Connecting Alumni like Never Before

Ministry/ Organization name : Govt. of Goa

Problem Statement Number/ID : DR111

Domain Bucket : Software – Web App Development

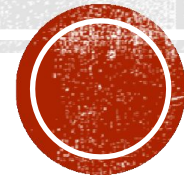
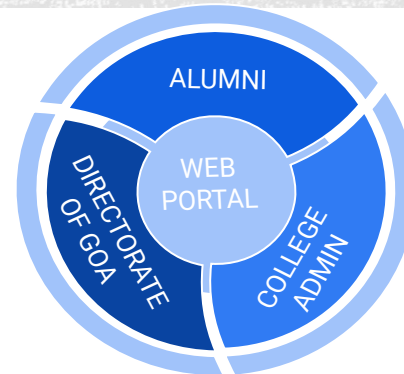
Team Name : KEYCODERS 2.0

Team Leader Name : Sumit Kr Singh

College Code : 1-3509530884



**SMART INDIA
HACKATHON
2020**



IDEA / APPROACH DETAILS

Aimed at connecting alumni and aiding Directorate, and colleges under it with all the information, it uses MVC architecture along with a 3-level hierarchy to allow alumni's to first register themselves and after their authentication by their respective admins they can access services through our portal.

Developed a **social networking** platform facilitating:

Signup, login, updating details, group chatting, creating events, notices, etc.

Approach and novelty:

- **SignUp** and **Login** with API (Google, LinkedIn, Facebook) to ease the process for alumni.
- Notification panel for all the activities.
- Inter-college **alumni association** among all the 26 colleges.
 - For **security**: spam detection, password hashing, message encryption, and captcha validation.
- Facility for **job postings** along with comments and discussions.
- **Payment Gateway** for donation to colleges.
- **Curated lists** of alumni based on categories like colleges, designation, job sector, subjects and roles that directorate may find interesting.
- Following it, **directorate** and admins can **mail** or **chat** with an alumni.
- **Analysis** factors such as employee spread, their designation, jobs and field of work through graphs, charts.
- **Sentimental analysis** for knowing the psychological state of alumni for the present college students





ALUMNI PANEL

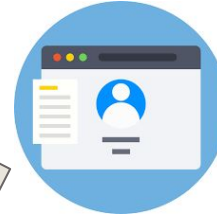
Social Login For Ease in
Login & Registration fetch
registration details through
Linkedin, Google, Facebook
APIs



Authenticate by
Respective College
Admin on Admin Portal



After Authentication,
Access to all alumni
portal Services



Update Profile
Details



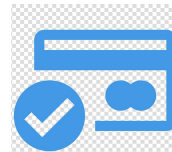
Chat & Group Chat
with other Alumnis



Post and View
Events, Notices &
Comments



Notification Panel
for any real time
updates and notices



Payment Gateway
for Donations or
Fundings



ADMIN PANEL



TECHNOLOGY STACK

Front-End



Back-End



Database



mongoDB®



Others

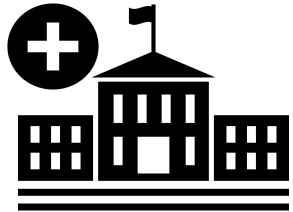


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DIRECTORATE PANEL



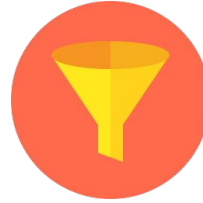
DIRECTORATE login through portal and get access to directorate panel.



Directorate will add new colleges and Admin in future.



Search Bar which filters alumni based on any type of criteria from the whole database.



Filter Alumni on the basis of batch (year-wise), current location, branch, course, current company, occupation, college, etc.



Sentimental Analysis of alumni by applying Machine Learning techniques on the Feedback provided.



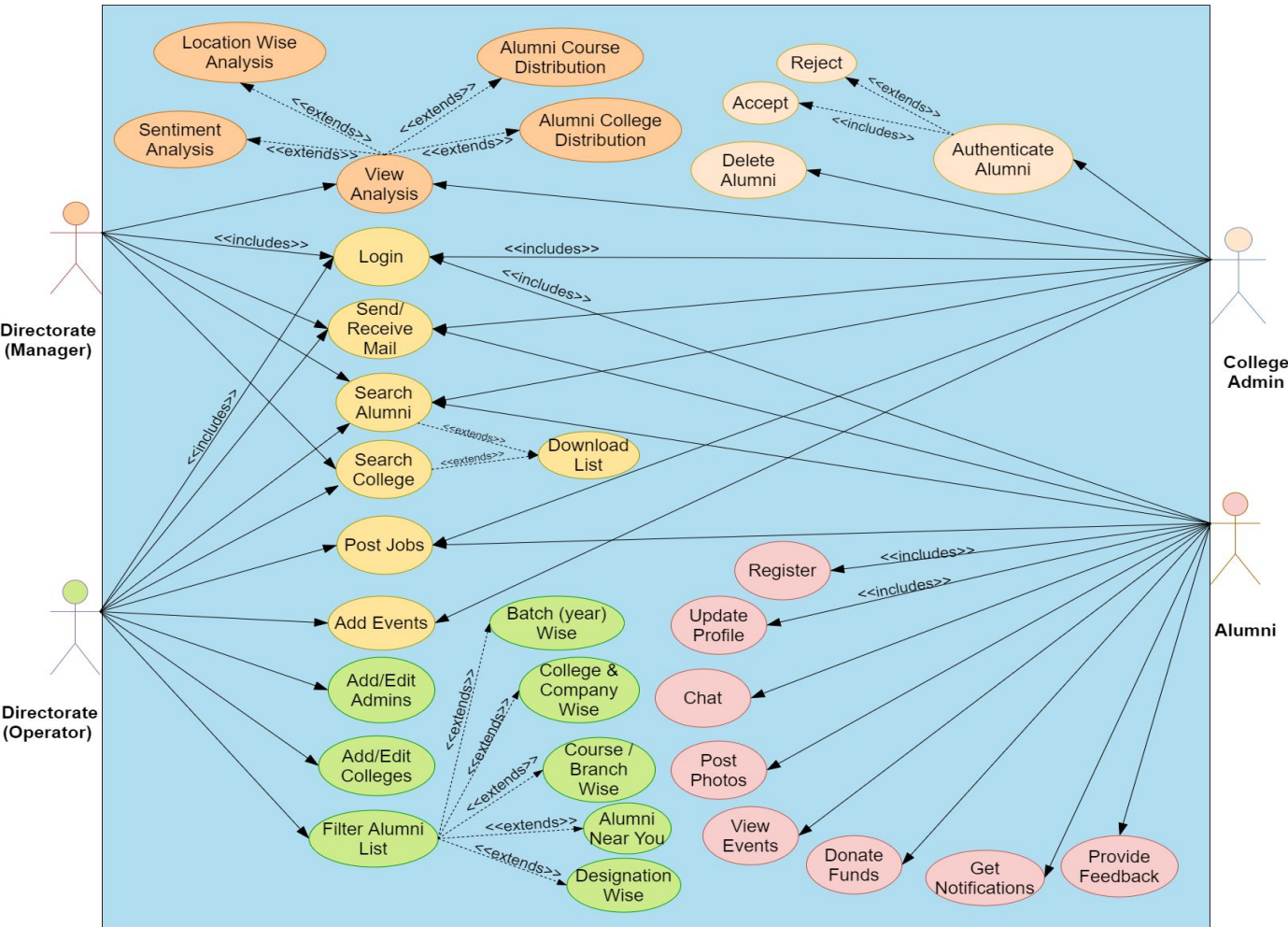
Powerful Map for providing the location of the alumni country-wise and applying ML to observe the pattern of preferable places.



Download the list of all or a particular group of Alumni based on filtering criteria applied either in csv, excel or pdf.



USE-CASE



Directorate
(manager, operator)

College Admins

Alumni

3-Level Hierarchy

DEPENDENCIES

1. External APIs.
2. Web Server and Hosting
3. Passed Out Students Data
4. Email and Chat Server
5. Technical Staff

For more info and details :

<http://bit.ly/keycoders2/>

