PROJECT Synopsis CSD428, Spring 2021

Group No. **:** _ _ _ _ _ _ _ _ _ _ _ _ _ _

Group Name **:** ***TEAM UNI-FI***

Title of the Project **:** ***UNI-FI***

Platform/Tools to be Used:

Front-end: React, Next.js, Tailwind, HTML, CSS
Back-end: JavaScript
Database Service: Firebase
Task Management: Trello
Version Control: Github

Project Synopsis **:**

More than 200 million students enter university globally every single year. Every single year millions of students go through the complicated process of shortlisting colleges, finding perfect fits, reaching out to alumni through contacts and comparing test scores. Students across the globe log onto multiple websites in order to find expected scores and polish their applications. Some students also tap into their extended networks in order to find some contact with seniors already enrolled in their dream institutions. The problem, as we realised, is that there is no common network that enables interested students to get in touch with those already enrolled in institutions they are interested in. Furthermore, there is not a common platform that enables students to check resumes, scores and other factors of admission of those that make it to popular universities. Lastly, the idea was to introduce an admission chance calculator that combined a number of factors in order to predict chances of admission at universities. The aim was to tackle the project on two fronts,

1. *University Data and Analytics: Use student supplied data along with public information to display all relevant data pertaining to any university including admission requirements, average scores, student diversity etc.*

2. *Admission Chance Calculator: Combine multiple data points in order to attempt to predict the chances of admission of any candidate for a specified university.*

3. *A lean social network: that allows students to connect with enrolled seniors, chat with them and get insights into how life and admissions are at their dream university.*

The goal of this project is to present itself as a one stop resource for those seeking admission to higher educational institutions.

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High Level Solution:

Students from colleges and high school will be the main users of this application and can make use of the many features of the application to work towards getting into their dream school. The major modules of the app include:

- *Searching for College stats and relevant information*
  Here, the user can search for college data from our database. The search cane based on the university name, Interested course, location etc and the relevant information can be retrieved.
- *Connecting with other users*
  In this feature, the user can see and connect with students who have applied to the particular university and take a look at their college application status and students details such as their standardised test scores, GPA, work experience etc. The user can also chat with other users by sending them a message through our portal.
- *Admission predictor*
  On this page, the user can enter their gpa, test scores, preferred course and target university and the application will run algorithms based on the college and user's data and generate an estimated probability of the user getting into that particular university.
- *Opportunities page*
  On this page, the user can view listings about the latest research opportunities, internship opportunities, competitions, summer school programs and other such information offered by universities.

<u>Use Case</u>

- *User registers and logs onto the website*

- *The user will have to apply at least 1 of the search filters to make a search. If the user searches using a course they're interested in, a list of universities offering that course will be displayed and if a university is being searched, the courses offered are displayed. Different combinations of searches will result in different results*

- *Upon clicking a search result you are navigated to the point in the university page where the information you've asked for is displayed.*

- *Along with the information you've asked for, additional information like other courses offered, research opportunities, alumni or current students whom you can connect with will also be displayed.*

- *Additionally, the user will be redirected to the official university website if they'd want to apply.*

- *There will also be a provision to predict whether you'll get into that college based on your Scores and the scores of the people who got into that university*

- *The user will also be able to save the information for quick access*

Team:

Sr.No.	***Roll No.***	***Student Name***	***Role (****Scrum Master, Product Owner, Developer, QA, DevOps)*	***Role Description***
1.	*1810110187*	*Rishika Dwarak*	*Backend Developer*	*Handling database management and other backend features of the application.*
2.	*1810110204*	*Sajal Ganjewala*	*Frontend Developer*	*Creating a visually appealing and user-friendly UI for the application.*
3.	*1810110250*	*Sisir Nalla*	*Scrum master & Backend Developer*	*Ensures agile principles are followed and conducts standup meetings.*
4.	*1810110251*	*Sparsh Ailawadi*	*Test Engineer*	*Responsible for testing for bugs and costly errors in the application.*