

Melinia 2k23

# பல்கலை

(Palkalai)

The Portal to your Dream University!

# Meet the Team



**Shruthi PG**  
Product Designer

A final year CSE student, done internships at IIT-M, Huawei Technologies, LetsDunch



**Vino S**  
Website Developer

A final year CSE student, great Web developer and an intern at Pumo Technovation

# Executive Summary

## About

Our platform provides personalized insights into students' chances of getting accepted into foreign universities for higher education, using a sophisticated algorithm that considers specific admission requirements.

## Vision

Our vision is to empower students worldwide with the knowledge and resources they need to make informed decisions about pursuing higher education abroad, reducing the stress and uncertainty they face during the application process.

## Mission

Our mission is to provide accurate and reliable information to students worldwide, enabling them to make informed decisions about pursuing higher education abroad.

பாக்கலை

(PalKalai)

# Current Scenario



Meet **Vino**, a recent Undergraduate looking out for **Masters/Higer Study** opportunities online.



Vino stumbled upon websites offering **only the details** and course offerings of many International Universities.



He searched for other options to know his **Chances** of getting into particular Universities.



But he soon realised, his options are limited and his needs can be fulfilled only by **consultancies with manual human works**.



Vino wished for a better option, a more optimal and accurate result done by recent technologies with **no human errors** and **less time consuming**.



# Problem Statement

"What are the problems faced by the students wanting to pursue their dream of studying abroad"

## **Difficulty identifying the chances of getting into an University**

Students are confused about Identifying their personal chances of getting into Universities depending on their grades obtained.

## **Shortlisting the wrong Universities**

Students are confused about Shortlisting the right University for them, depending on other statuses.

## **Troubles with choosing the right and best Course**

A lot of doubts and second thoughts around choosing the right course at the right Universities are also one serious issue faced by students.

## **Difficulty knowing the Eligibility Requirements of each Universities**

Students are unaware of the minimum eligibility criteria, and so the concern surrounding if they can fit into each University is based upon it.

# Solution

"The solution is given by using **KNN Algorithm** (machine learning), that will benefit the students willing to study abroad"

## **Get your Chances of getting into Universities**

PalKalai, is being developed by a strong algorithm which will let you know about the chances of getting into Universities according to your Grades.

## **Know the Right Universities for you**

With a strong algorithm such as KNN (K-Nearest Neighbour Algorithm), your grades and country requirements will be received and depending upon it, right Universities will be recommended to you.

## **Get recommended with the most suitable courses**

Not just the Universities, but also the courses that are the best suitable for you will be shown to you by the KNN algorithm; all to make the process simpler and easier for you.

## **All in one place for your High Study Search**

There is no need to separately check other websites to know the Eligibility requirements and minimum criteria. PalKalai, is all you ever need in your High Studies research.

# Novelty

The novelty of our application relies on two factors:

- No current application can determine the Chances of a person getting into a University.
- KNN Algorithm (an accurate recommendation algorithm) is being used, which trains on itself and produces perfect results over the time.

## Algorithm

- KNN (K-Nearest Neighbour Algorithm) a non-parametric, supervised learning classifier, which uses proximity to make classifications or predictions about the grouping of an individual data point.
- The KNN algorithm can compete with the most accurate models because it makes highly accurate predictions.
- Therefore, you can use the KNN algorithm for applications that require high accuracy but that do not require a human-readable model.

## How the data is worked upon

- **2 sets of data** as being injected into the model.
- First - will contain all the Universities' minimum eligibility criteria and also the average/chances each course has for its International student admission and the manual data being extracted from the previously admitted students, surveys and help from public consultancies.
- Second - will contain the real-time data by the users; this will train the model further.
- The data model will be well-trained using Machine Learning techniques such as Regression, Test, Train, Split, etc

# The Product

The image displays two screenshots of the Kalai application interface, presented on a MacBook Pro. The left screenshot shows the initial input screen, and the right screenshot shows the results screen.

**Left Screenshot (Input Screen):**

- Header: പലകലി (PalKalai)
- User Greeting: Welcome Vino 🙌
- Text: Based on your scores, you will be suggested with best suited and most eligible college list.
- Text: To view all the colleges, [Click here](#).
- Form Fields:
  - Degree\*: Select dropdown menu.
  - TOEFL: Input field.
  - Branch\*: Select dropdown menu.
  - IELTS: Input field.
  - CGPA\*: Select dropdown menu.
  - GRE: Input field.
  - Preferred Country: Select dropdown menu.
  - GMAT: Input field.
- Submit Button: A blue rounded rectangle button labeled "Submit".

**Right Screenshot (Results Screen):**

- Header: പലകലി (PalKalai)
- Greeting: Congratulations!! 🎉
- Text: Based on your scores, you are suggested with best suited and most eligible college list.
- Text: To view all the colleges, [Click here](#).
- Table: A table showing the top 5 colleges with their details and acceptance chances.

Best College/University	Country	Course	Chance	More
1. University of Windsor	CA	MS Computer Science	82%	...
2. Lakehead University	CA	MS Data Science	78%	...
3. University of Alberta	CA	M.Eng Software	72%	...
4. Humber College	CA	M.Eng Machine Learning	64%	...
5. Western University	CA	M.Asc Software	57%	...
- Text: You are in the **Top 25%** of all the other applicants.
- Figure: A blue donut chart indicating a 25% success rate.
- Text: Share with friends.
- Buttons: Load More (blue) and New (blue).

# The Product

Based on your scores, you are suggested with best suited and most eligible college list.  
To view all the colleges, [Click here.](#)

Best College/University	Country	Course	Chance	More
1. University of Windsor	CAN	MS Computer Science	100%	...
2. Lakehead University	CAN	MS Data Science	100%	...
3. University of Alberta	CAN	M.Eng Software	100%	...
4. Humber College	CAN	M.Eng Machine Learning	100%	...
5. Western University	CAN	M.Asc Software	100%	...
6. University of Windsor	CAN	MS Computer Science	100%	...
7. Lakehead University	CAN	MS Data Science	100%	...
8. University of Alberta	CAN	M.Eng Software	100%	...
9. Humber College	CAN	M.Eng Machine Learning	100%	...

University of Windsor  
Public university in Windsor, Canada

A public research institute in Ontario, Canada, the University of Windsor got inception in 1857. An internationally oriented establishment, the university has a team of award-winning faculty and creative staff. Located in Canada's southernmost city experiencing amazing weather conditions, the university celebrated its 50th anniversary in the year 2013.

**International Students at University of Windsor**  
23% of the student population is made up of overseas students, representing around 100 nations.  
The University of Windsor has a faculty of 524 for its 16,000+ students in the university.

**Courses you are Eligible to get into**

You have **86% Chance** to get into this University

86%

# Development Process

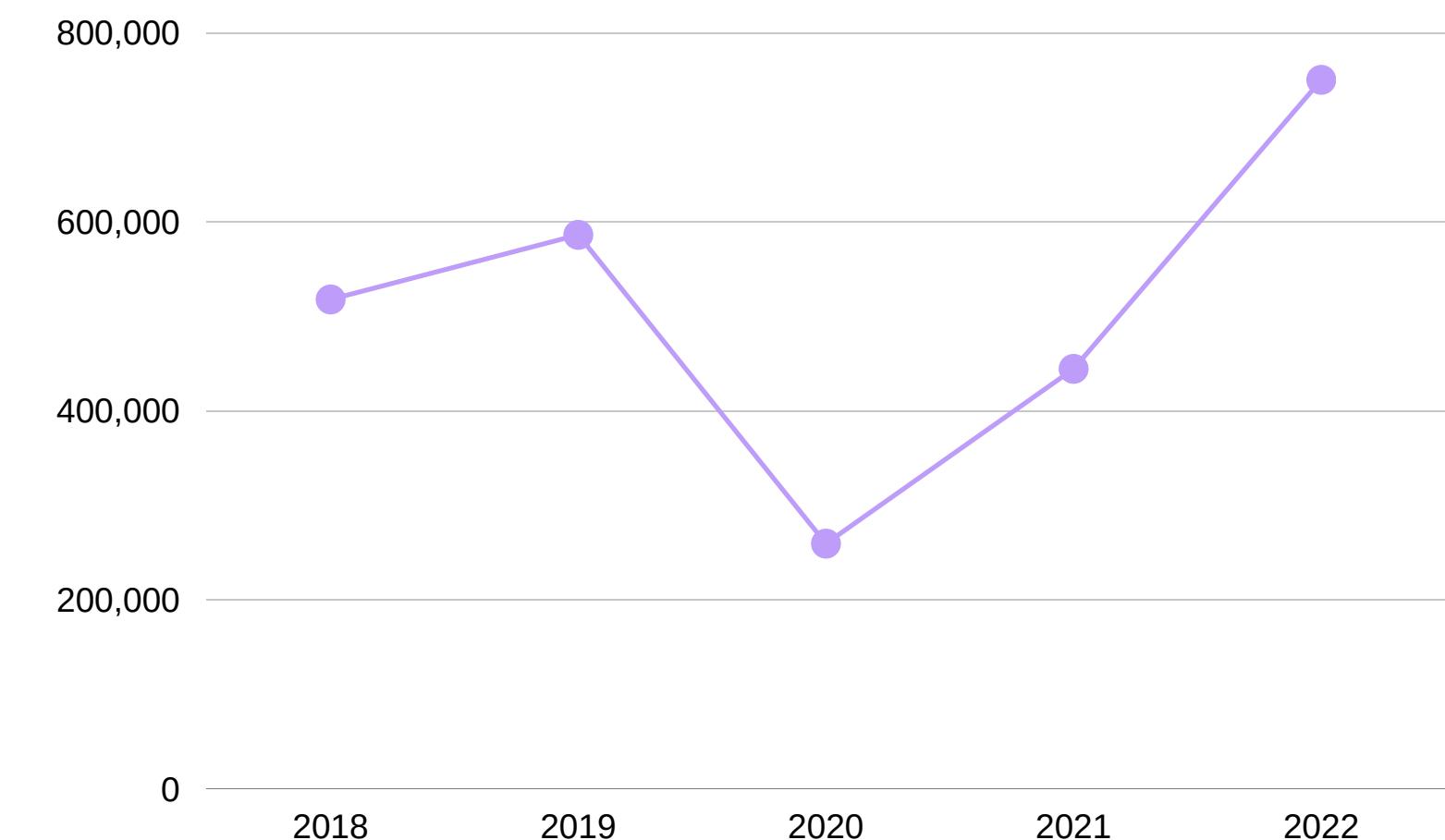
- **Phase 1**  
Brainstorming and Ideation Process
- **Phase 2**  
Forming the Team, with right people for various task
- **Phase 3**  
Design process: Architecture, UX Research, UI design, audit and analysis
- **Phase 4**  
Development of the Application using tech stacks such as HTML, CSS, React.js, Python
- **Phase 5**  
Connection DB, hosting the service and Maintenance

# Market Opportunity

## Number of Indian Students who went abroad for Higher Education

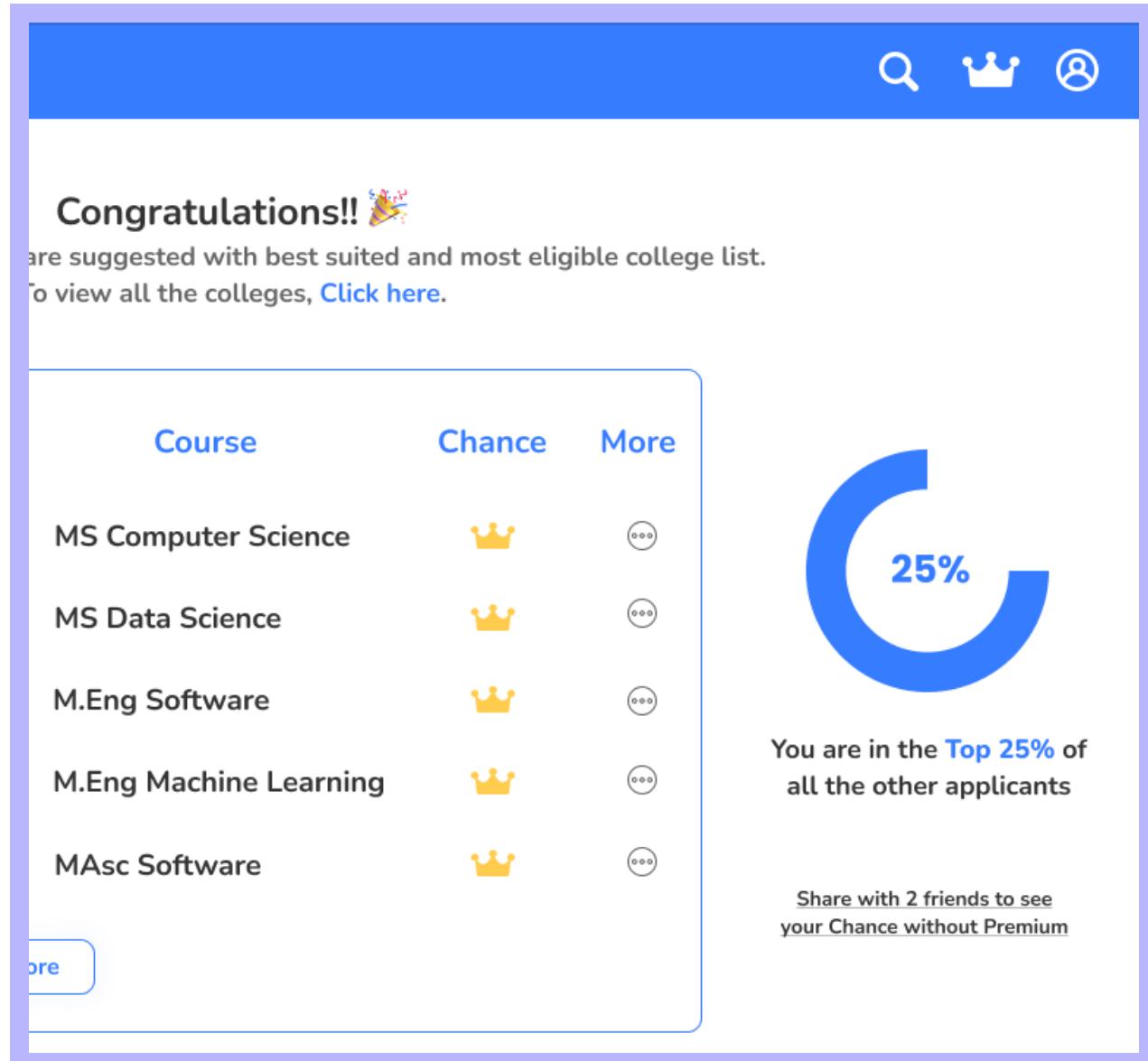
According to data submitted by the education ministry in the Parliament, the number of students went abroad:

- 2022 : **750,365** students.
- 2021 : **444,553** students.
- 2020 : **259,655** students.
- 2019 : **586,337** students.
- 2018 : **517,998** students.



Source: Education Ministry, Parliament - Mint

# Business Model



## Premium

Only the Premium Users can get access to see their Chances of getting into a University. They can also share it with their friends to check the Chances rate.

The Premium Cost: Rs. 49/month

## Ad-Sense

Advertisements are a great way of generating money through a website. This will help to manage the cost associated with servers and other development costs.

# Competitive Analysis

Features	പല്‌Kalai	collegedunia	GETMYUNI	shiksha	StudyGuideIndia.com	CollegeDekho
Abroad University Supported	✓	✗	✗	✓	✗	✗
Chances of getting into a University	✓	✗	✗	✗	✗	✗
Details about each abroad University	✓	✗	✗	✓	✗	✗
Machine Learning model used	✓	✗	✗	✗	✗	✗
Application range prediction	✓	✗	✗	✗	✗	✗

Melinia 2K23



**Thank You!**

By PalKalai

# Contact details

## TEAM PALKALAI

### **Team Member 1**

Shruthi PG

#### **Mobile phone**

+918925297825

#### **Email address**

shruthi.pg01@gmail.com

### **Team Member 2**

Vino S

#### **Mobile phone**

+919150750337

#### **Email address**

svino7777@gmail.com