UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

IBM NALAIYA THIRAN

Project Report submitted by

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BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

Project Report

Date	18 November 2022
Team ID	PNT2022TMID03986
Project Name	University Admit Eligibility Predictor

1.INTRODUCTION

Project Overview

The aim of this project is to help students in shortlisting universities with their profiles. The predicted output gives them a fair idea about their admission chances in a particular university. This analysis should also help students who are currently preparing or will be preparing to get a better idea.

Purpose

The students or parents require a way to analyze and list the universities availablefor their cut-off mark so that the student or parent will be directly benefited by preparing themselves in par with the university's requirement. This can be implemented using Machine learning, Data analyzing and etc.

2. LITERATURE SURVEY

Existing Solution and Problem

[1] **Authors**: S. Sridhar, S. Mootha and S. Kolagati, ,.
Title: "A University Admission Prediction System using Stacked Ensemble Learning," 2020
Abstract: For an aspiring graduate student, shortlisting the universities to apply to is a difficult problem. Since an application is extremely dynamic, students often tend to wonder if their profile matches the requirement of a certain university. Moreover, the cost of applying to a university is extremely high making it critical that students shortlist universities based on their profile. A university admission prediction system is quite useful for students to determine their chances of acceptance to a specific university. The system could make use of data related to previous applicants to various universities and their admit or reject status. Earlier models of such prediction systems suffer from several drawbacks such as not considering important parameters like GRE (Graduate Record Exam) scores or research experience. Further, the accuracy reported by earlier models is also not sufficiently high. In this paper, a stacked ensemble model that predicts the chances of admit of a student to a particular university has been proposed. The proposed model takes into consideration various factors related to the student including their research experience, industry experience etc. Further, the system proposed has been evaluated against various other machine learning algorithms including other deep learning methods. It is observed that the proposed model easily outperforms all other models and provides a very high accuracy.
Observation: An effective method has been proposed to predict the chances of a student being admitted to a

specific university. In addition, we have compared the performance of various machine learning algorithms to the proposed method in predicting admits. It is observed that the proposed method provides the best performance with an accuracy of 91%.

[2] **Authors**: S. Fong, Y. -W. Si and R. P. Biuk-Aghai,
Title: "Applying a hybrid model of neural network and decision tree classifier for predicting university admission," .Abstract: Predicting university admission is a complex decision making process that is more than merely relying on test scores. It is known by researchers that students' backgrounds and other factors correlate to the performance of their tertiary education. This paper proposes a hybrid model of neural network and decision tree classifier that predicts the likelihood of which university a student may enter, by analysing his academic merits, background and the university admission criteria from that of historical records. Our prototype system was tested with live data from sources of Macau secondary school students. In addition to the high prediction accuracy rate, flexibility is an advantage as the system can predict suitable universities that match the students' profiles and the suitable channels through which the students are advised to enter. Our model can be generalized with other attributes and perform faster when compared to using a neural network alone.
Observation : A hybrid model upon which the Recommender System of Admission to University (RSAU) prototype is built. It analyses secondary school pupils' data from numerous sources to forecast their prospects of admission to institutions. It assists secondary school administrators, instructors, and senior secondary students in making recommendations to universities.

References

[1] S. Sridhar, S. Mootha and S. Kolagati, "A University Admission Prediction System using Stacked Ensemble Learning," 2020 Advanced Computing and Communication Technologies for High Performance Applications (ACCTHPA), 2020, pp. 162-167, doi: 10.1109/ACCTHPA49271.2020.9213205.

[2] S. Fong, Y. -W. Si and R. P. Biuk-Aghai, "Applying a hybrid model of neural network and decision tree classifier for predicting university admission," 2009 7th International Conference on Information, Communications and Signal Processing (ICICS), 2009, pp. 1-5, doi: 10.1109/ICICS.2009.5397665

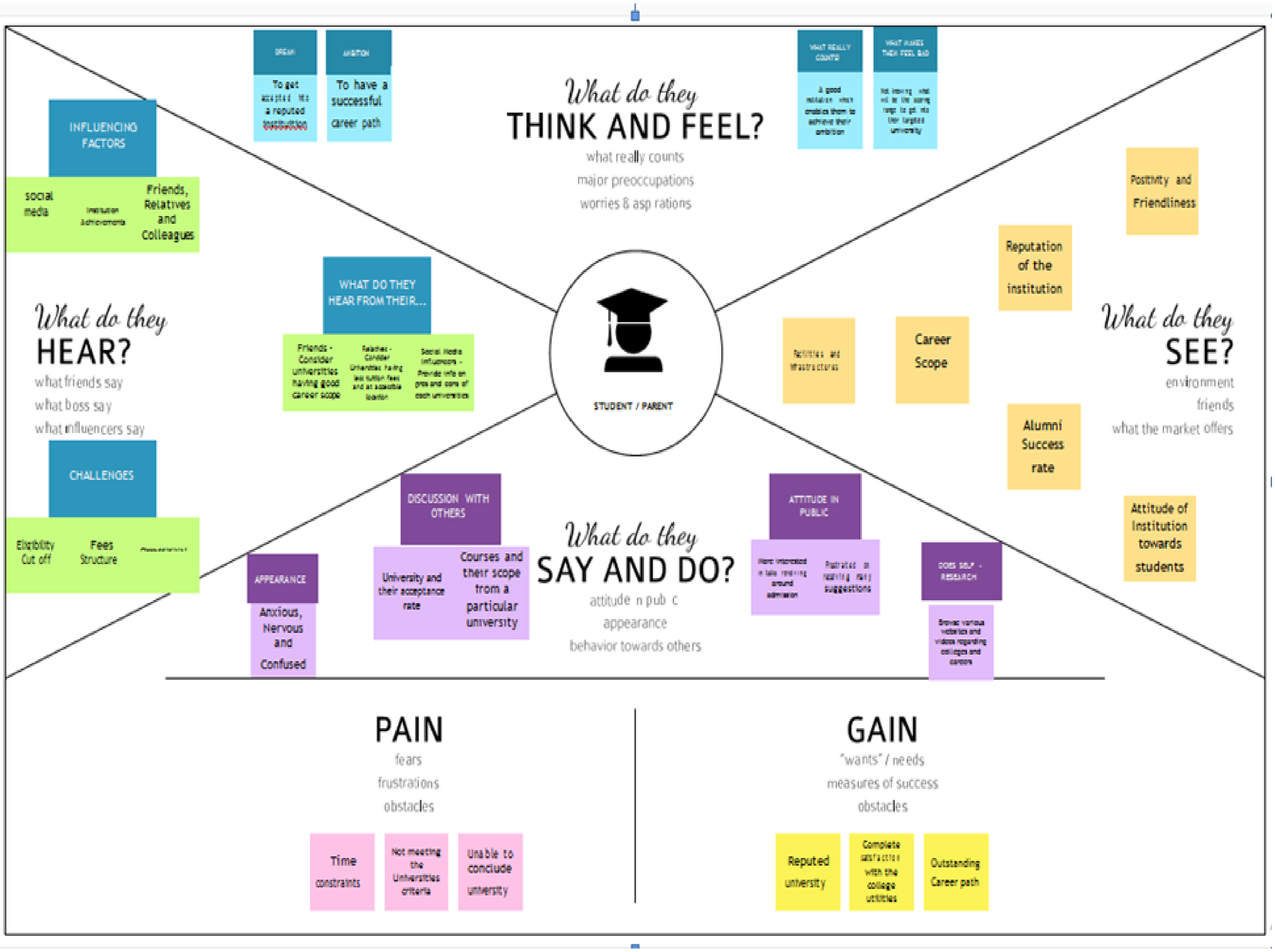
[3] Ahammad, Khalil & Chakraborty, Partha & Akter, Evana & Fomey, Umme & Rahman, Saifur. (2021). A Comparative Study of Different Machine Learning Techniques to Predict the Result of an Individual Student Using Previous Performances. International Journal of Computer Science and Information Security,. 19. 5-10. 10.5281/zenodo.4533374.

Problem Statement Definition

Students are often worried about their chances of admission to University. The aim of this project is to help students in short listing universities with their profiles. The predicted output gives them a fair idea about their admission chances in a particular university. This analysis should also help students who are currently preparing or will be preparing to get a better idea .The students or parents require a way to analyze and list the universities available for their cut-off mark so that the student or parent will be directly benefited by preparing themselves in par with the university’s requirement. This can be implemented using Machine learning, Data analyzing and etc.

IDEATION & PROPOSED SOLUTION

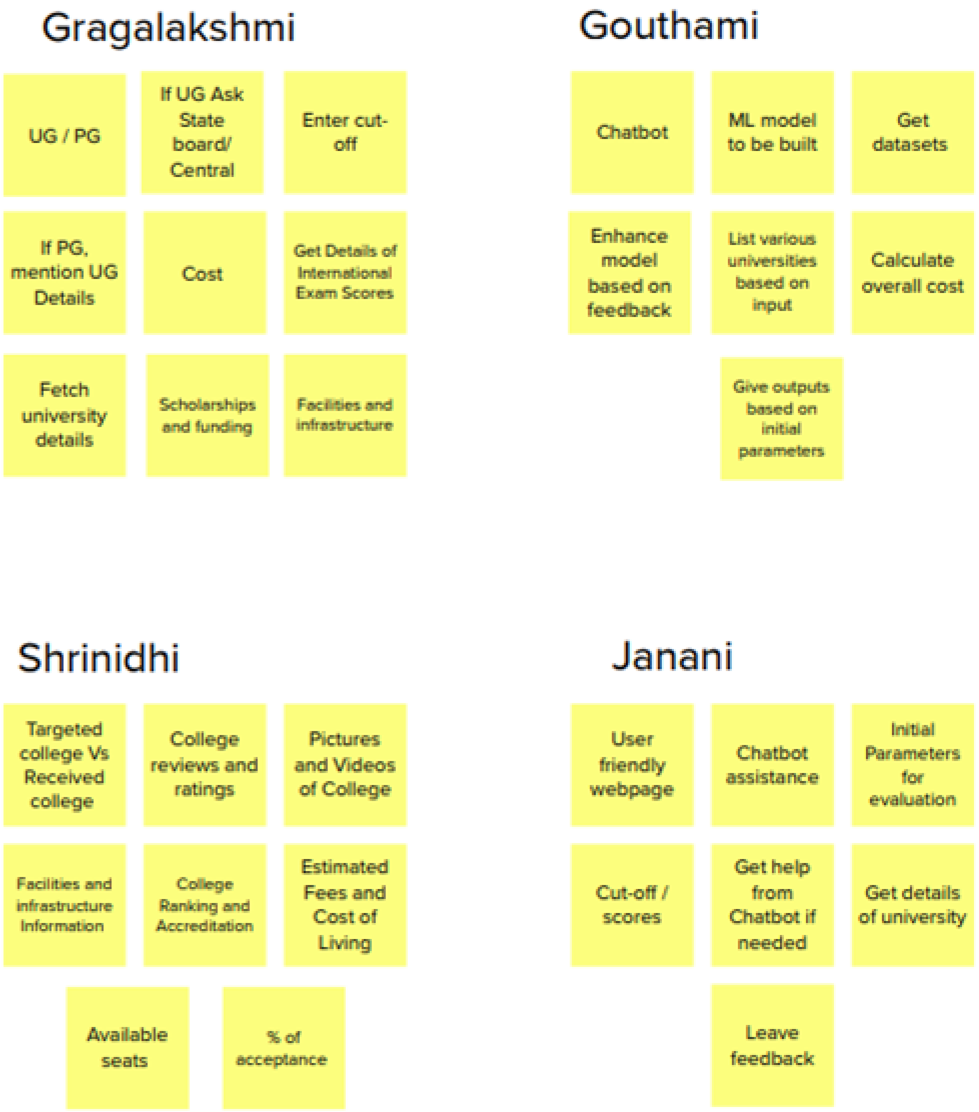
Empathy Map Canvas



To get accepted into a reputed institution
AMBITION
To have a successful career path
What do they
THINK AND FEEL?
what really counts
major preoccupations
worries & aspirations
WHAT REALLY COUNTS?
A good institution which enables them to achieve their ambition
WHAT MAKES THEM FEEL BAD
Not knowing what will be the scoring range to get into their targeted university
INFLUENCING FACTORS
social media
Institution Achievements
Friends, Relatives and Colleagues
WHAT DO THEY HEAR FROM THEIR...
Friends - Consider universities having good career scope
Relatives - Consider Universities having less tuition fees and at accessible location
Social Media Influencers - Provide info on pros and cons of each universities
What do they
HEAR?
what friends say
what boss say
what influencers say
CHALLENGES
Eligibility Cut off
Fees Structure
STUDENT / PARENT
Positivity and Friendliness
Reputation of the institution
Facilities and Infrastructures
Career Scope
What do they
SEE?
environment
friends
what the market offers
Alumni Success rate
Attitude of Institution towards students
DISCUSSION WITH OTHERS
University and their acceptance rate
Courses and their scope from a particular university
APPEARANCE
Anxious, Nervous and Confused
What do they
SAY AND DO?
attitude in public
appearance
behavior towards others
ATTITUDE IN PUBLIC
More interested in talks revolving around admission
Frustrated on receiving many suggestions
DOES SELF - RESEARCH
Browse various websites and videos regarding colleges and careers
PAIN
fears
frustrations
obstacles
Time constraints
Not meeting the Universities criteria
Unable to conclude university
GAIN
"wants" / needs
measures of success
obstacles
Reputed university
Complete satisfaction with the college utilities
Outstanding Career path

Ideation & Brainstorming

Brainstorming



Gragalakshmi

- UG / PG
- If UG Ask State board/ Central
- Enter cut-off
- If PG, mention UG Details
- Cost
- Get Details of International Exam Scores
- Fetch university details
- Scholarships and funding
- Facilities and infrastructure

Gouthami

- Chatbot
- ML model to be built
- Get datasets
- Enhance model based on feedback
- List various universities based on input
- Calculate overall cost
- Give outputs based on initial parameters

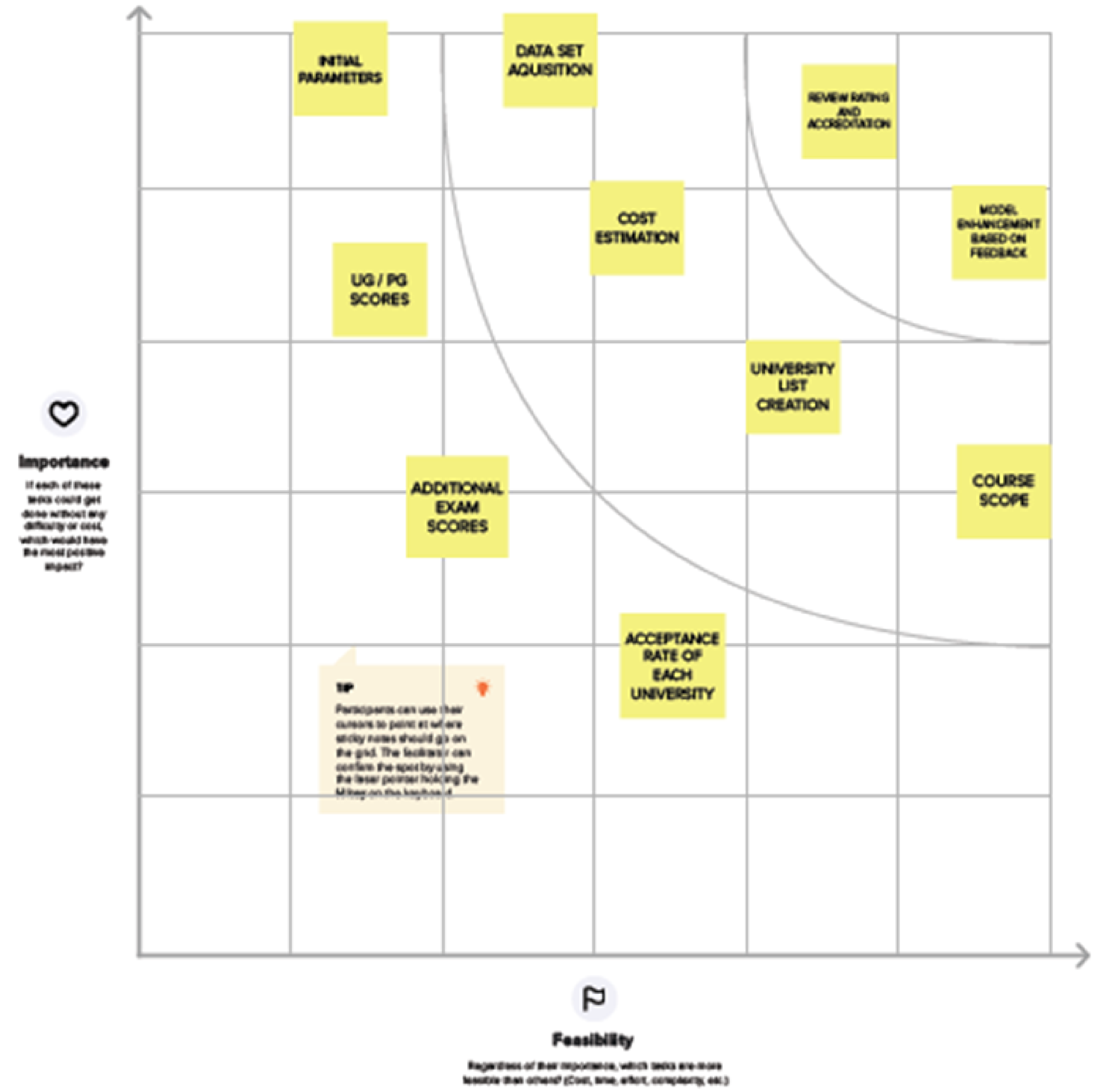
Shrinidhi

- Targeted college Vs Received college
- College reviews and ratings
- Pictures and Videos of College
- Facilities and infrastructure Information
- College Ranking and Accreditation
- Estimated Fees and Cost of Living
- Available seats
- % of acceptance

Janani

- User friendly webpage
- Chatbot assistance
- Initial Parameters for evaluation
- Cut-off / scores
- Get help from Chatbot if needed
- Get details of university
- Leave feedback

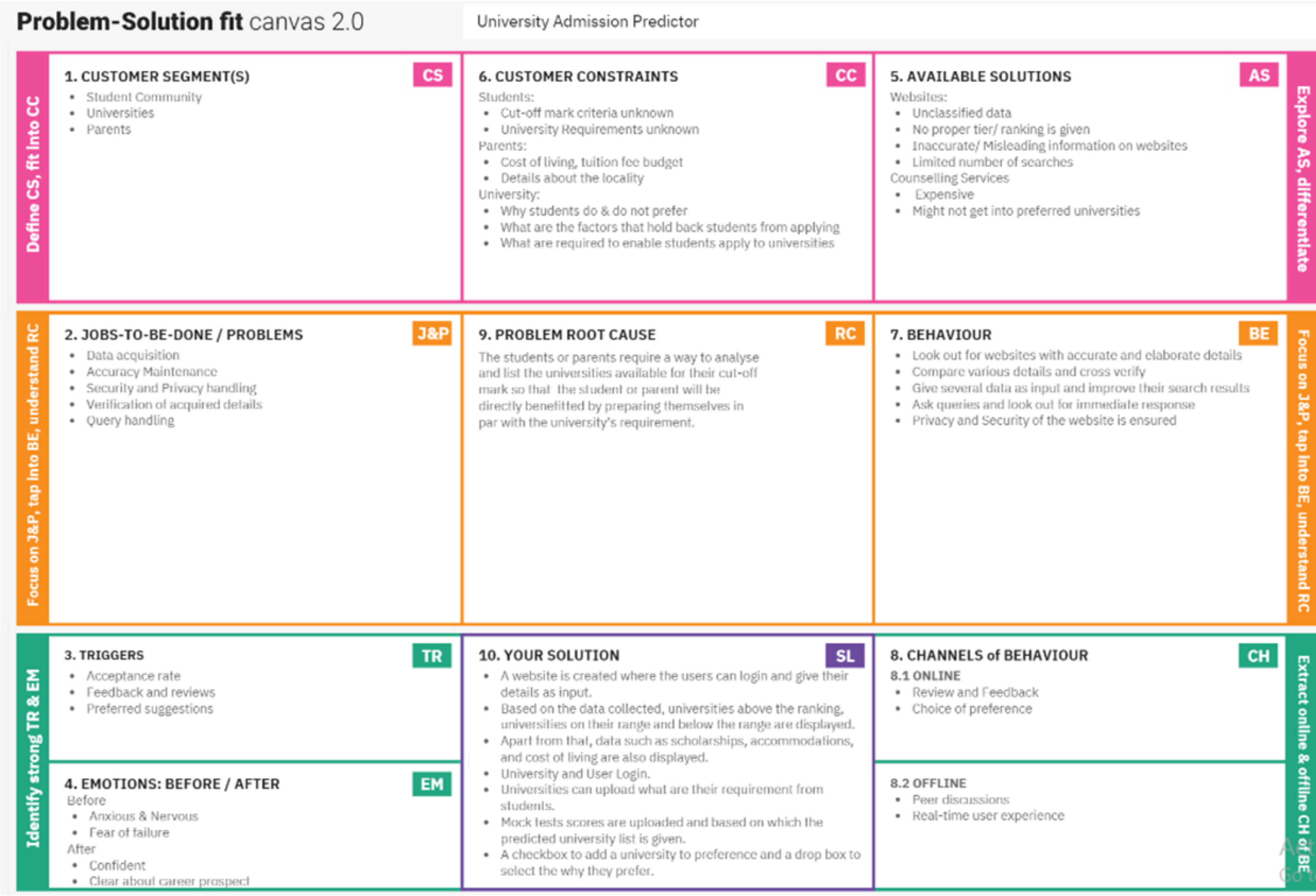
Ideation Prioritization


INITIAL PARAMETERS
DATA SET AQUISITION
REVIEW RATING AND ACCREDITATION
COST ESTIMATION
MODEL ENHANCEMENT BASED ON FEEDBACK
UG / PG SCORES
UNIVERSITY LIST CREATION
ADDITIONAL EXAM SCORES
COURSE SCOPE
ACCEPTANCE RATE OF EACH UNIVERSITY
TIP
Participants can use their cursors to point at where sticky notes should go on the grid. The facilitator can confirm the spot by using the laser pointer holding the H key on the keyboard.
Importance
If each of these tasks could get done without any difficulty or cost, which would have the most positive impact?
Feasibility
Regardless of their importance, which tasks are more feasible than others? (Cost, time, effort, complexity, etc.)

a.Proposed Solution

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	The students and parents require a way to analyze and listthe universities available for their cut-off mark so that the student or parent will be directly benefited by preparing themselves in par with the university's requirement.
2.	Idea / Solution description	A website is created where the users can login and give their details as input. Based on the data collected, universities above the ranking, universities on their rangeand below the range are displayed. Apart from that, datasuch as scholarships, accommodations, and cost of living are also displayed.
3.	Novelty / Uniqueness	University and User Login. Universities can upload what are their requirement fromstudents. Mock tests scores are uploaded and based on which the predicted university list is given. A checkbox to add a university to preference and a dropbox to selectthe why theyprefer.
4.	Social Impact/ Customer Satisfaction	Better performance of students are expected based onthe results due to mock tests. Anxiety and Stress levels are reduced amidst users.
5.	Business Model(Revenue Model)	Subscription based model.Revenue frommarketing.
6.	Scalability of the Solution	The solution proposed can be used by parents as well as students to know their cadre. Apart from this, universitiescan also make use of this website to know how many students are preferring the universities based on what criteria. Hence the scalability of the solution is high and widespread.

a.Problem Solution fit



Problem-Solution fit canvas 2.0

University Admission Predictor

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) CS

- Student Community
- Universities
- Parents

6. CUSTOMER CONSTRAINTS CC

Students:

- Cut-off mark criteria unknown
- University Requirements unknown

Parents:

- Cost of living, tuition fee budget
- Details about the locality

University:

- Why students do & do not prefer
- What are the factors that hold back students from applying
- What are required to enable students apply to universities

5. AVAILABLE SOLUTIONS AS

Websites:

- Unclassified data
- No proper tier/ ranking is given
- Inaccurate/ Misleading information on websites
- Limited number of searches

Counselling Services

- Expensive
- Might not get into preferred universities

Explore AS, differentiate

Focus on J&P, tap into BE, understand RC

2. JOBS-TO-BE-DONE / PROBLEMS J&P

- Data acquisition
- Accuracy Maintenance
- Security and Privacy handling
- Verification of acquired details
- Query handling

9. PROBLEM ROOT CAUSE RC

The students or parents require a way to analyse and list the universities available for their cut-off mark so that the student or parent will be directly benefitted by preparing themselves in par with the university's requirement.

7. BEHAVIOUR BE

- Look out for websites with accurate and elaborate details
- Compare various details and cross verify
- Give several data as input and improve their search results
- Ask queries and look out for immediate response
- Privacy and Security of the website is ensured

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TR

- Acceptance rate
- Feedback and reviews
- Preferred suggestions

4. EMOTIONS: BEFORE / AFTER EM

Before

- Anxious & Nervous
- Fear of failure

After

- Confident
- Clear about career prospect

10. YOUR SOLUTION SL

- A website is created where the users can login and give their details as input.
- Based on the data collected, universities above the ranking, universities on their range and below the range are displayed.
- Apart from that, data such as scholarships, accommodations, and cost of living are also displayed.
- University and User Login.
- Universities can upload what are their requirement from students.
- Mock tests scores are uploaded and based on which the predicted university list is given.
- A checkbox to add a university to preference and a drop box to select the why they prefer.

8. CHANNELS of BEHAVIOUR CH

8.1 ONLINE

- Review and Feedback
- Choice of preference

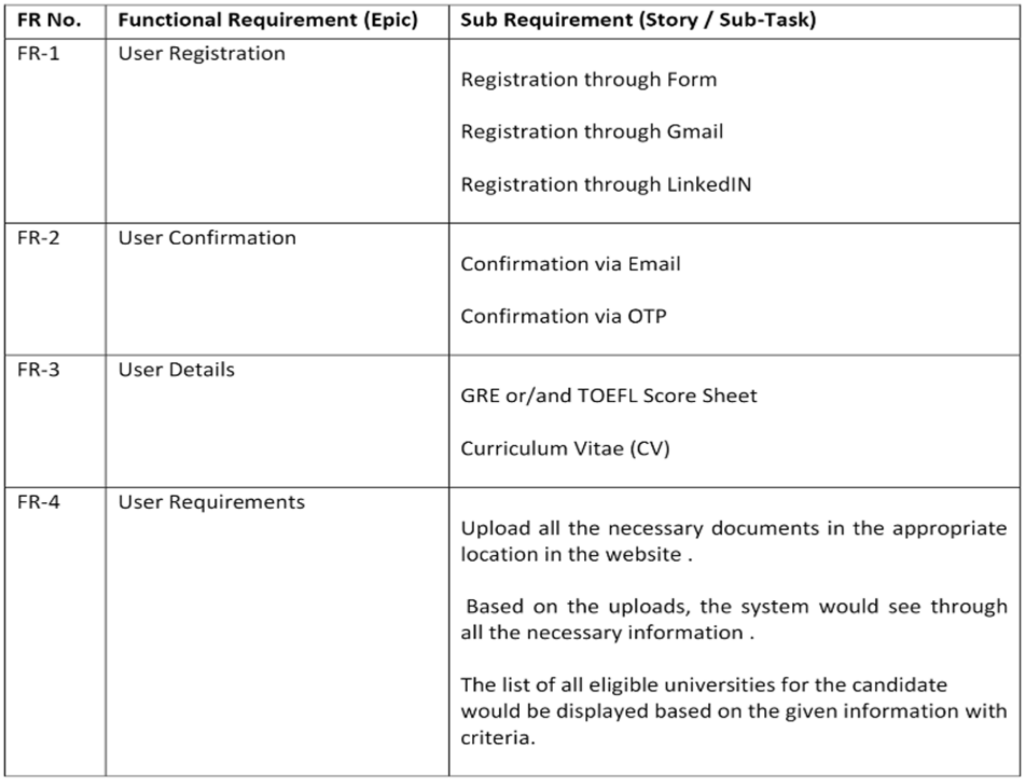
8.2 OFFLINE

- Peer discussions
- Real-time user experience

Extract online & offline CH of BE

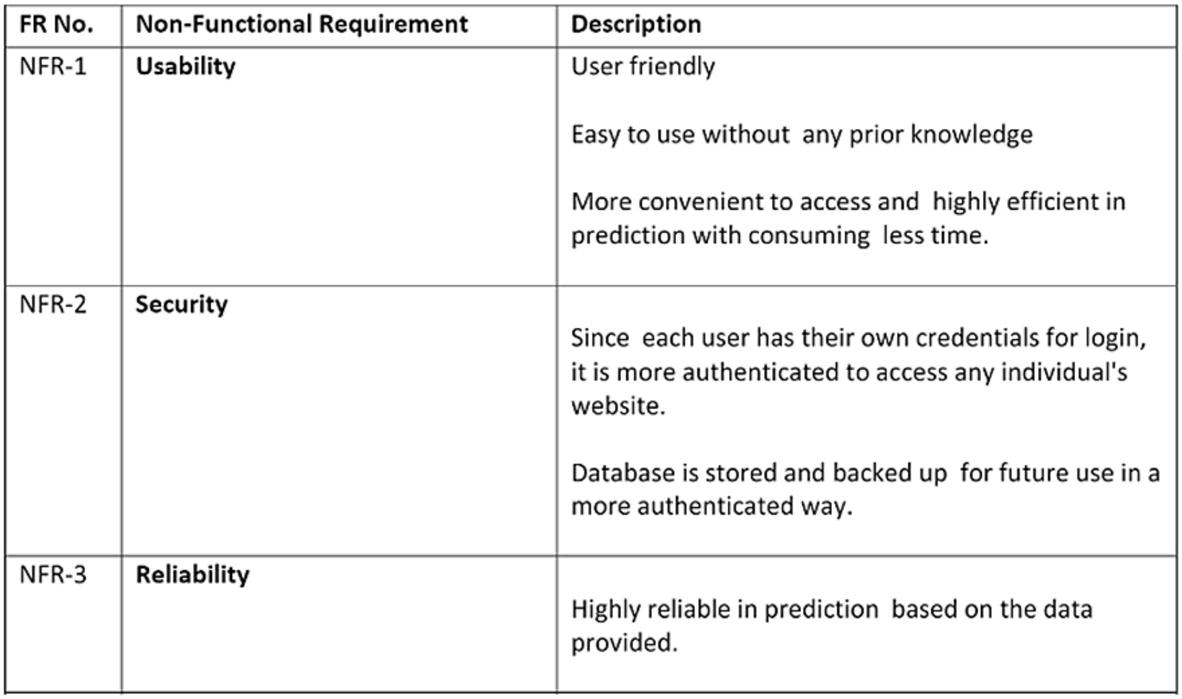
REQUIREMENT ANALYSIS

Functional Requirements

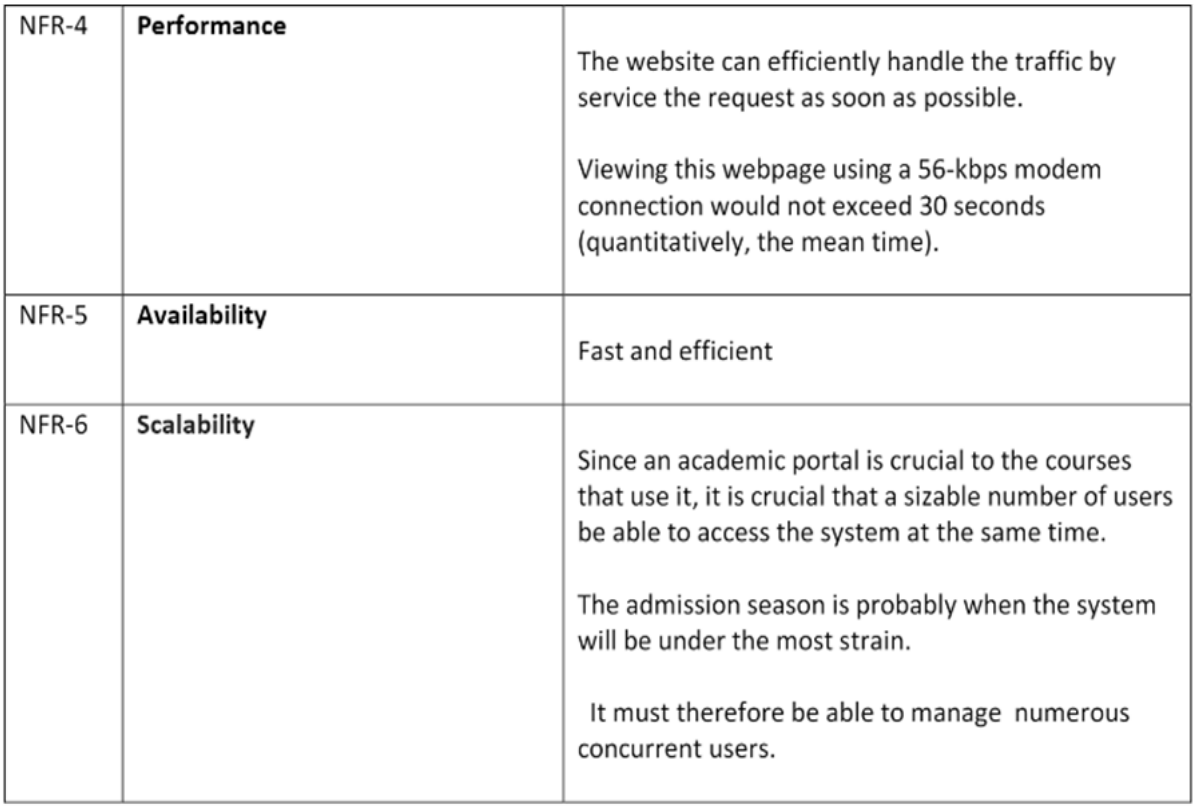


FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Details	GRE or/and TOEFL Score Sheet Curriculum Vitae (CV)
FR-4	User Requirements	Upload all the necessary documents in the appropriate location in the website . Based on the uploads, the system would see through all the necessary information . The list of all eligible universities for the candidate would be displayed based on the given information with criteria.

Non-Functional



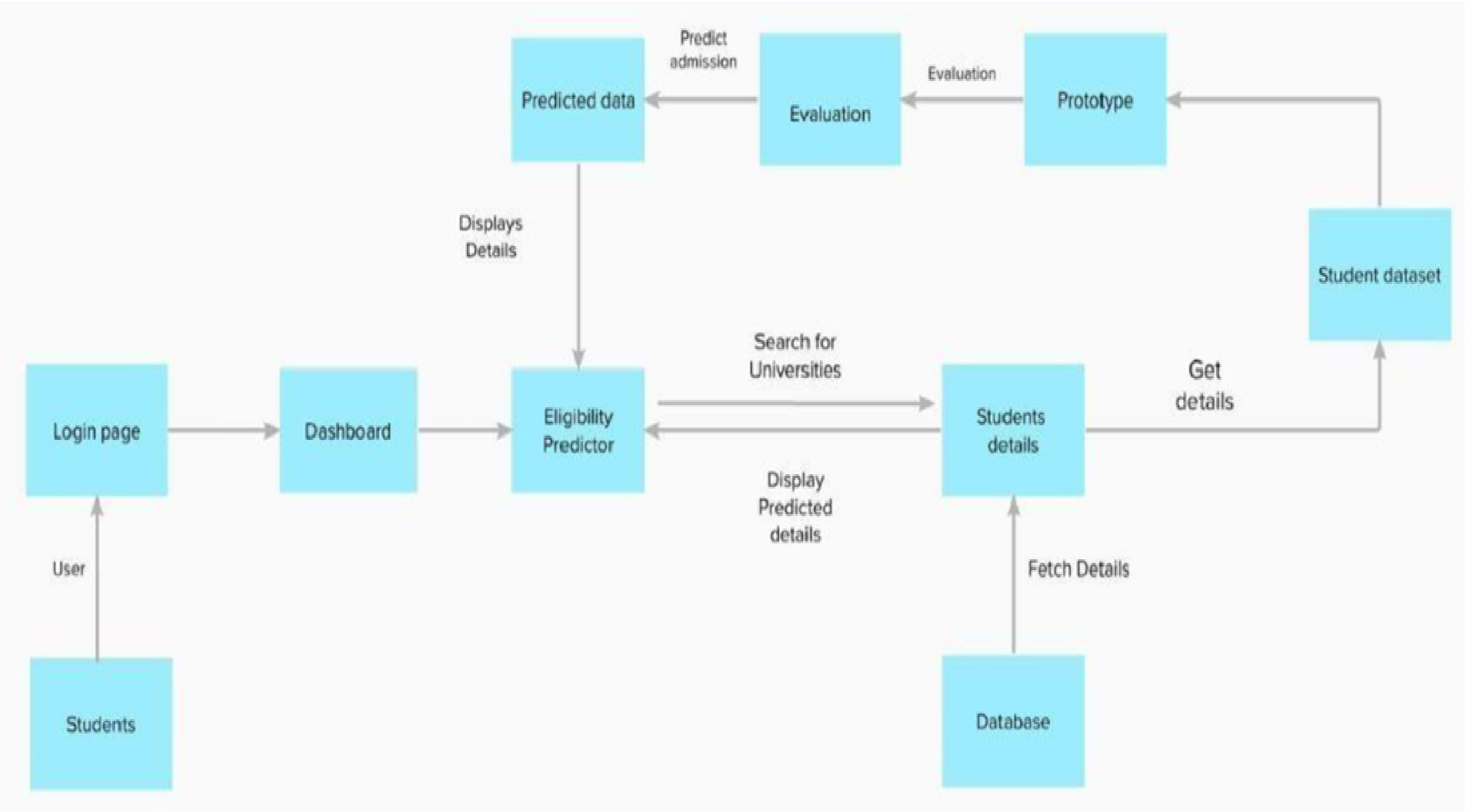
FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User friendly Easy to use without any prior knowledge More convenient to access and highly efficient in prediction with consuming less time.
NFR-2	**Security**	Since each user has their own credentials for login, it is more authenticated to access any individual's website. Database is stored and backed up for future use in a more authenticated way.
NFR-3	**Reliability**	Highly reliable in prediction based on the data provided.



NFR-4	**Performance**	The website can efficiently handle the traffic by service the request as soon as possible. Viewing this webpage using a 56-kbps modem connection would not exceed 30 seconds (quantitatively, the mean time).
NFR-5	**Availability**	Fast and efficient
NFR-6	**Scalability**	Since an academic portal is crucial to the courses that use it, it is crucial that a sizable number of users be able to access the system at the same time. The admission season is probably when the system will be under the most strain. It must therefore be able to manage numerous concurrent users.

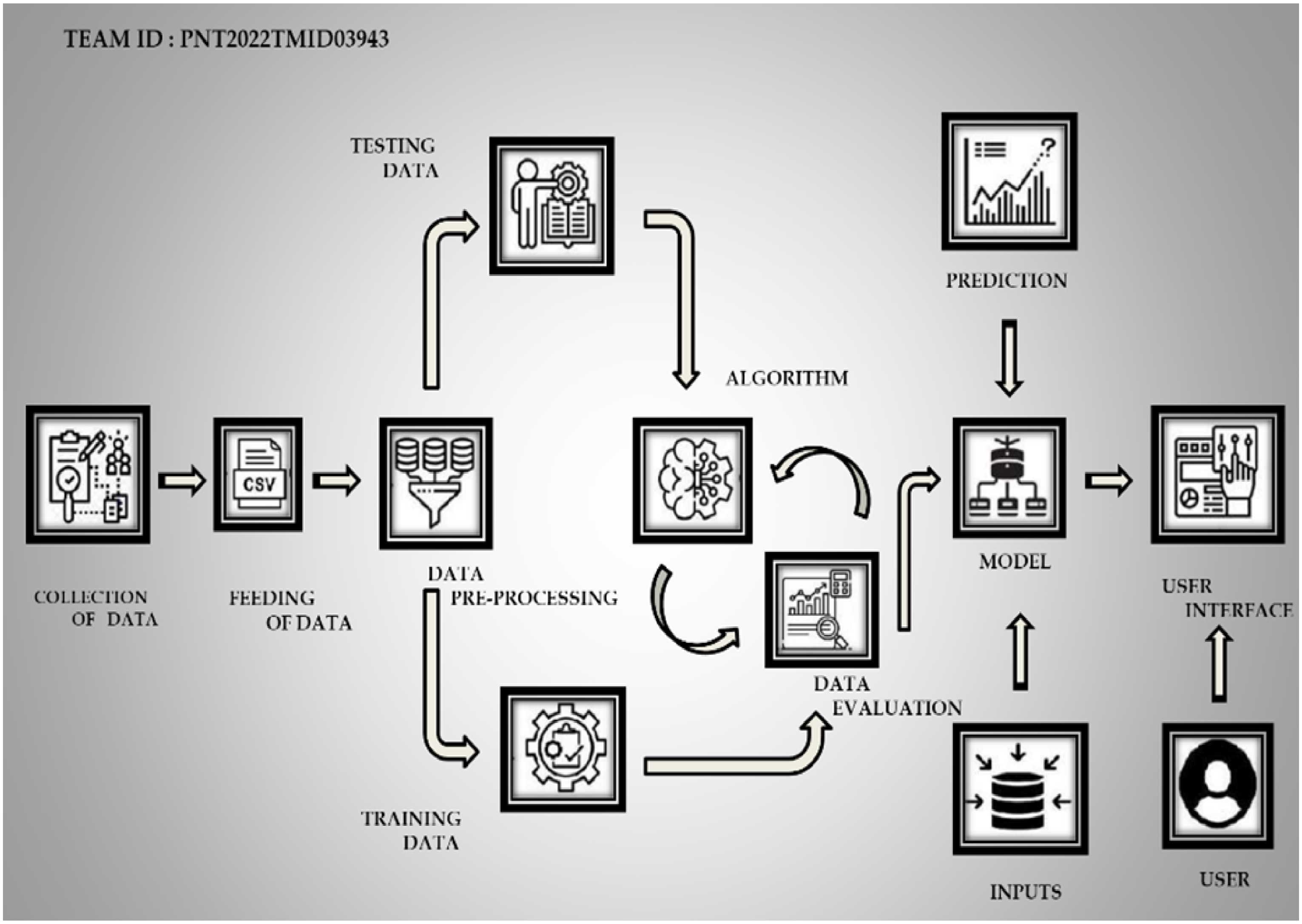
PROJECT DESIGN

a. Data Flow Diagrams

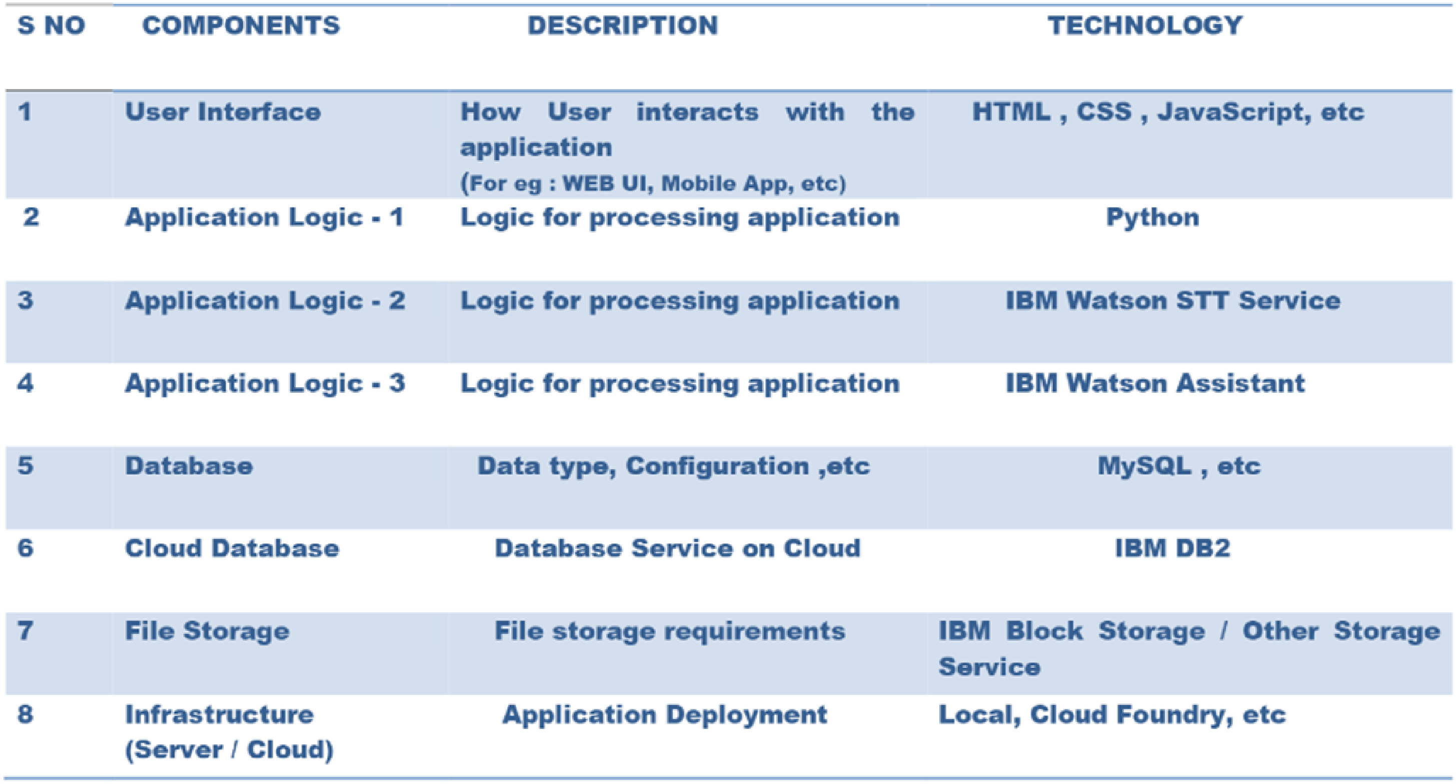


Solution & Technical Architecture

1. Solution Architecture



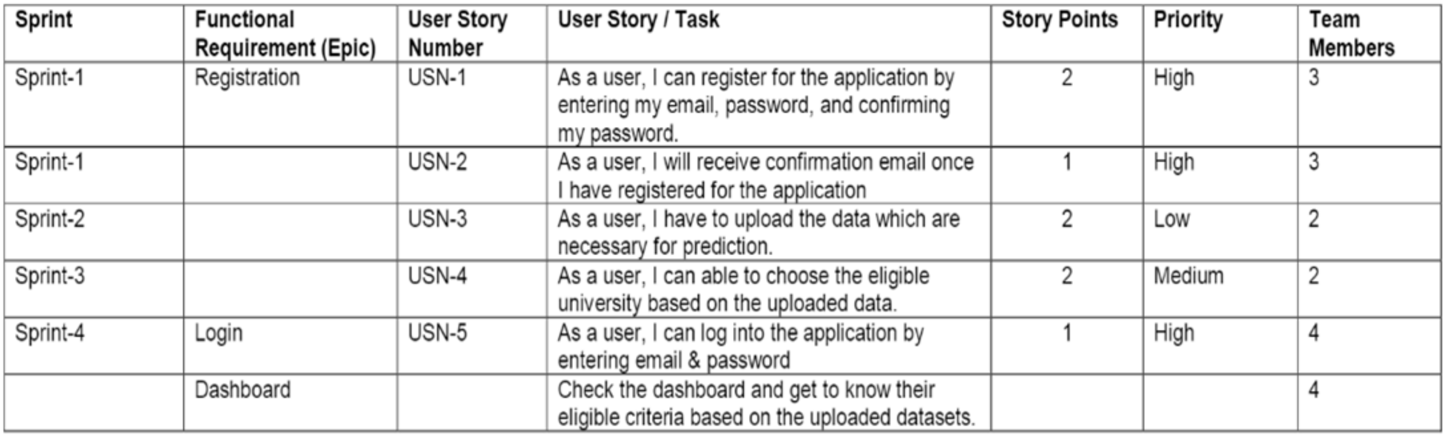
Technical Architecture



S NO	COMPONENTS	DESCRIPTION	TECHNOLOGY
1	User Interface	How User interacts with the application (For eg : WEB UI, Mobile App, etc)	HTML , CSS , JavaScript, etc
2	Application Logic - 1	Logic for processing application	Python
3	Application Logic - 2	Logic for processing application	IBM Watson STT Service
4	Application Logic - 3	Logic for processing application	IBM Watson Assistant
5	Database	Data type, Configuration ,etc	MySQL , etc
6	Cloud Database	Database Service on Cloud	IBM DB2
7	File Storage	File storage requirements	IBM Block Storage / Other Storage Service
8	Infrastructure (Server / Cloud)	Application Deployment	Local, Cloud Foundry, etc

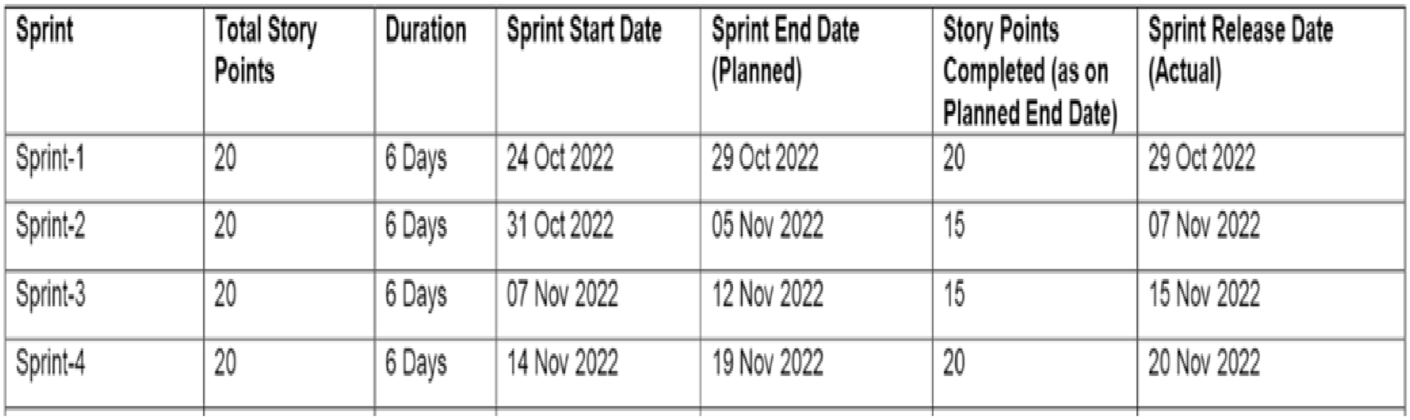
PROJECT PLANNING & SCHEDULING

a. Sprint Planning & Estimation



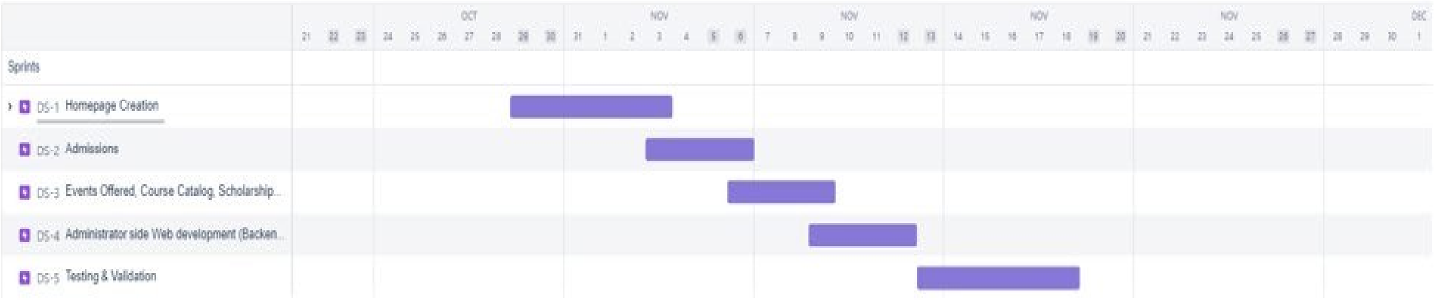
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	3
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	3
Sprint-2		USN-3	As a user, I have to upload the data which are necessary for prediction.	2	Low	2
Sprint-3		USN-4	As a user, I can able to choose the eligible university based on the uploaded data.	2	Medium	2
Sprint-4	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	4
	Dashboard		Check the dashboard and get to know their eligible criteria based on the uploaded datasets.			4

Sprint Delivery Schedule



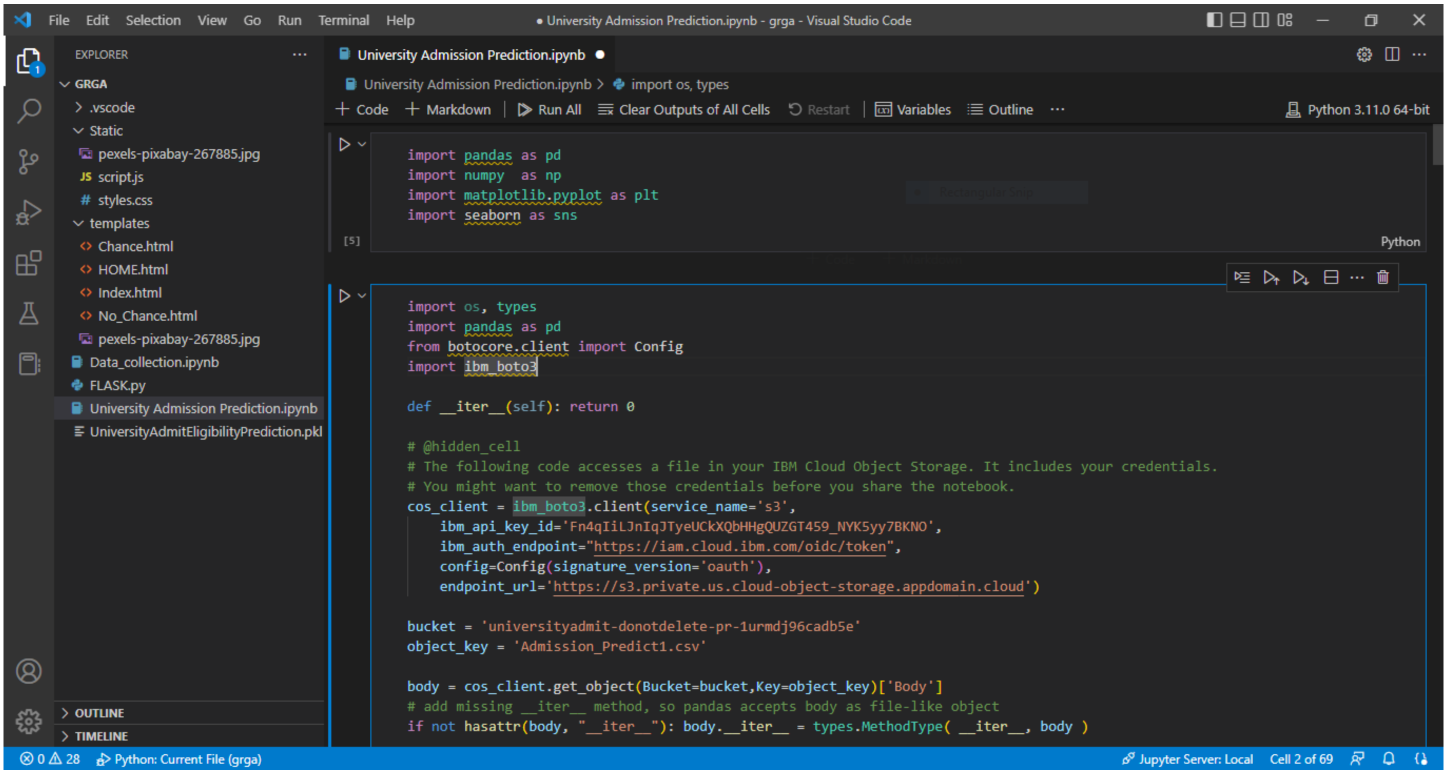
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	15	07 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	15	15 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	20 Nov 2022

Reports from JIRA



A.CODING & SOLUTIONING:

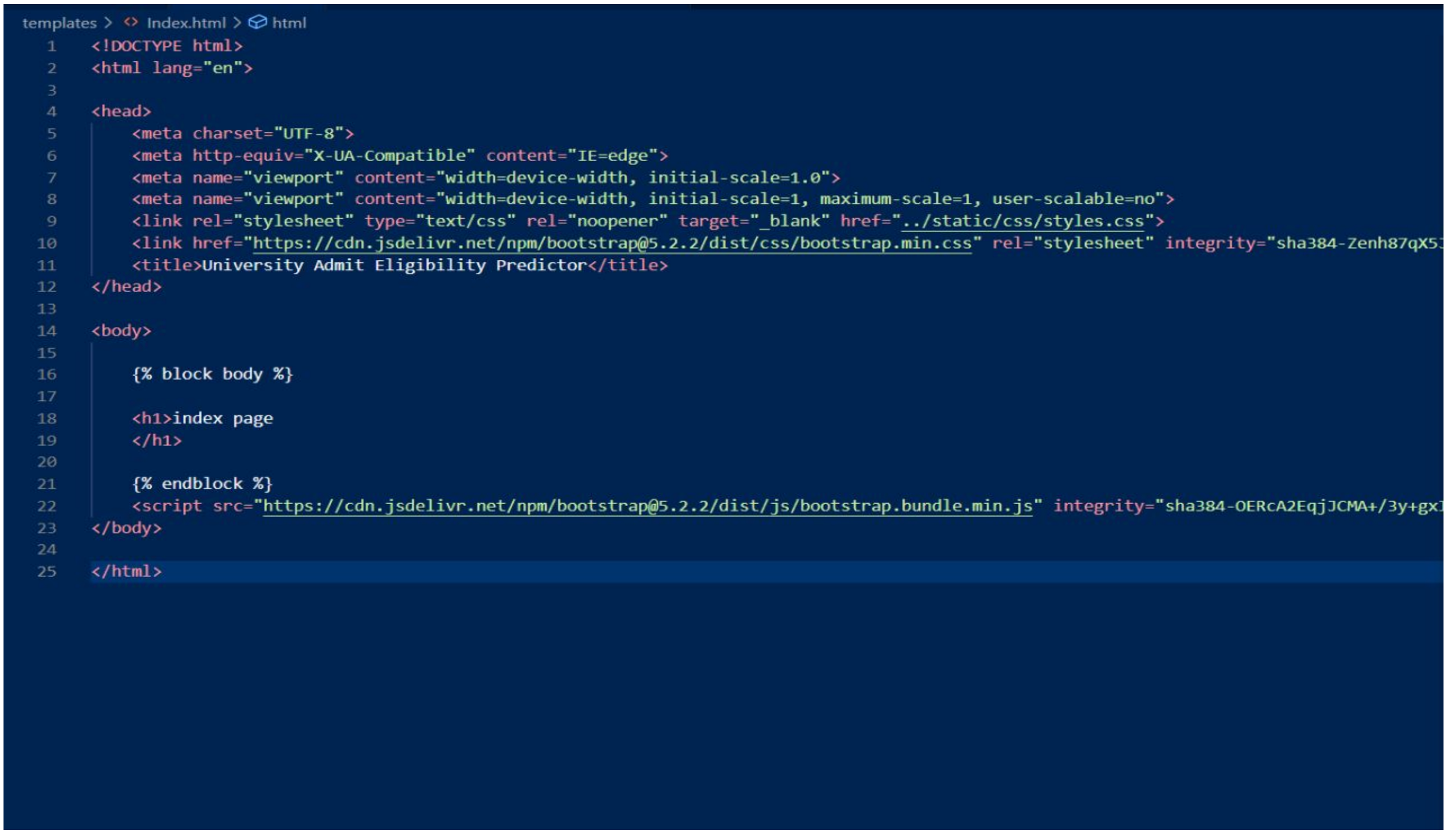
Modelling:


File
Edit
Selection
View
Go
Run
Terminal
Help
• University Admission Prediction.ipynb - grga - Visual Studio Code
EXPLORER
GRGA
.vscode
Static
pexels-pixabay-267885.jpg
script.js
styles.css
templates
Chance.html
HOME.html
Index.html
No_Chance.html
pexels-pixabay-267885.jpg
Data_collection.ipynb
FLASK.py
University Admission Prediction.ipynb
UniversityAdmitEligibilityPrediction.pkl
OUTLINE
TIMELINE
University Admission Prediction.ipynb
University Admission Prediction.ipynb > import os, types
+ Code
+ Markdown
Run All
Clear Outputs of All Cells
Restart
Variables
Outline
Python 3.11.0 64-bit
[5]
Python
0 ⚠ 28
Python: Current File (grga)
Jupyter Server: Local
Cell 2 of 69

```
import pandas as pd
import numpy  as np
import matplotlib.pyplot as plt
import seaborn as sns
```

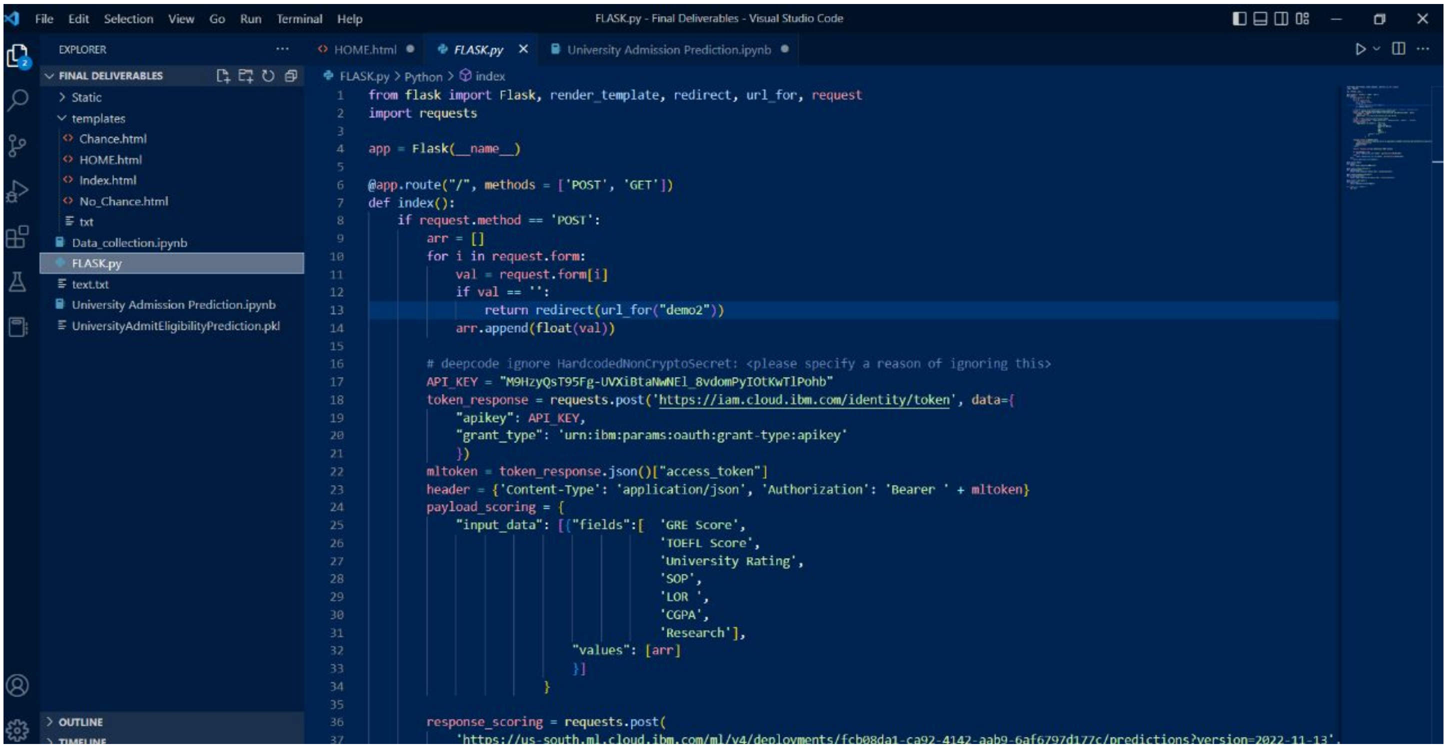
```
import os, types
import pandas as pd
from botocore.client import Config
import ibm_boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.
cos_client = ibm_boto3.client(service_name='s3',
    ibm_api_key_id='Fn4qIiLJnIqJTyeUCkXQbHHgQUZGT459_NYK5yy7BKNO',
    ibm_auth_endpoint="https://iam.cloud.ibm.com/oidc/token",
    config=Config(signature_version='oauth'),
    endpoint_url='https://s3.private.us.cloud-object-storage.appdomain.cloud')

bucket = 'universityadmit-donotdelete-pr-1urmdj96cadb5e'
object_key = 'Admission_Predict1.csv'

body = cos_client.get_object(Bucket=bucket,Key=object_key)['Body']
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )
```

Index.html:



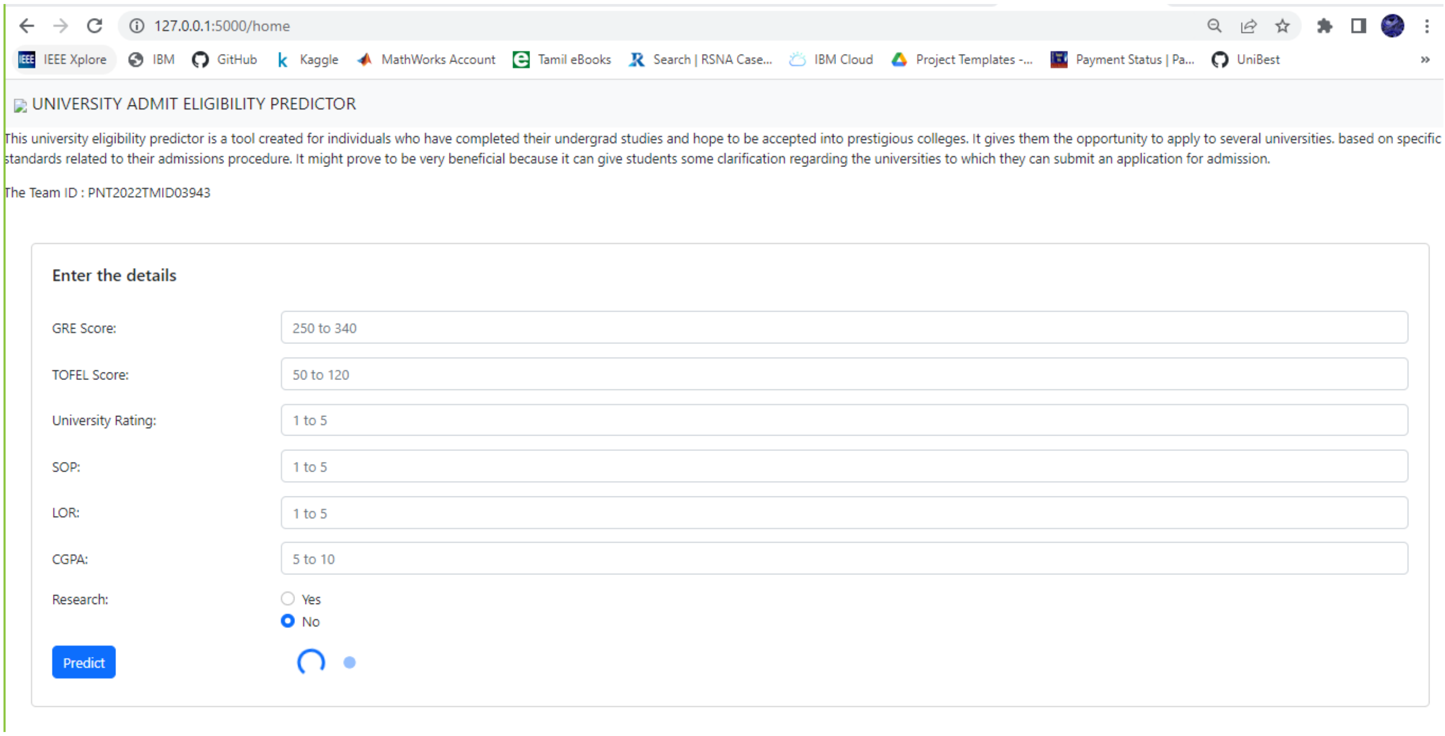
```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta name="viewport" content="width=device-width, initial-scale=1, maximum-scale=1, user-scalable=no">
    <link rel="stylesheet" type="text/css" rel="noopener" target="_blank" href="../static/css/styles.css">
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5J
    <title>University Admit Eligibility Predictor</title>
</head>

<body>

    {% block body %}

    <h1>index page
    </h1>

    {% endblock %}
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-OERcA2EqjJCMA+/3y+gxI
</body>

</html>
```

Flask:



```python
from flask import Flask, render_template, redirect, url_for, request
import requests

app = Flask(__name__)

@app.route("/", methods = ['POST', 'GET'])
def index():
    if request.method == 'POST':
        arr = []
        for i in request.form:
            val = request.form[i]
            if val == '':
                return redirect(url_for("demo2"))
            arr.append(float(val))

        # deepcode ignore HardcodedNonCryptoSecret: <please specify a reason of ignoring this>
        API_KEY = "M9HzyQsT95Fg-UVXiBtaNwNEl_8vdomPyIOtKwTlPohb"
        token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={
            "apikey": API_KEY,
            "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'
            })
        mltoken = token_response.json()["access_token"]
        header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
        payload_scoring = {
            "input_data": [{"fields":[  'GRE Score',
                                        'TOEFL Score',
                                        'University Rating',
                                        'SOP',
                                        'LOR ',
                                        'CGPA',
                                        'Research'],
                            "values": [arr]
                            }]
                        }

        response_scoring = requests.post(
            'https://us-south.ml.cloud.ibm.com/ml/v4/deployments/fcb08da1-ca92-4142-aab9-6af6797d177c/predictions?version=2022-11-13',
```

SOLUTIONING:



UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

This university eligibility predictor is a tool created for individuals who have completed their undergrad studies and hope to be accepted into prestigious colleges. It gives them the opportunity to apply to several universities. based on specific standards related to their admissions procedure. It might prove to be very beneficial because it can give students some clarification regarding the universities to which they can submit an application for admission.

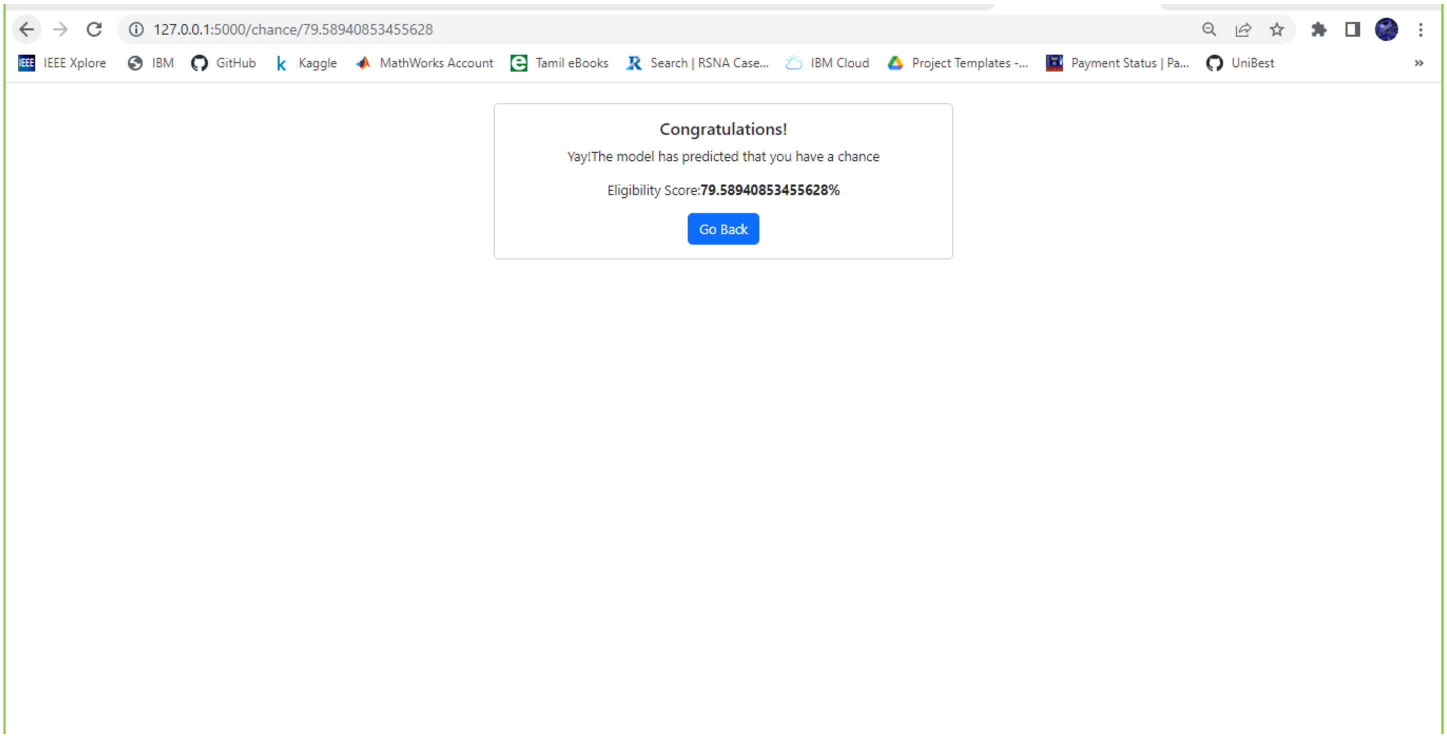
The Team ID : PNT2022TMID03943

Enter the details

GRE Score:	250 to 340
TOFEL Score:	50 to 120
University Rating:	1 to 5
SOP:	1 to 5
LOR:	1 to 5
CGPA:	5 to 10
Research:	○ Yes ● No

Predict

Eligible Criteria:



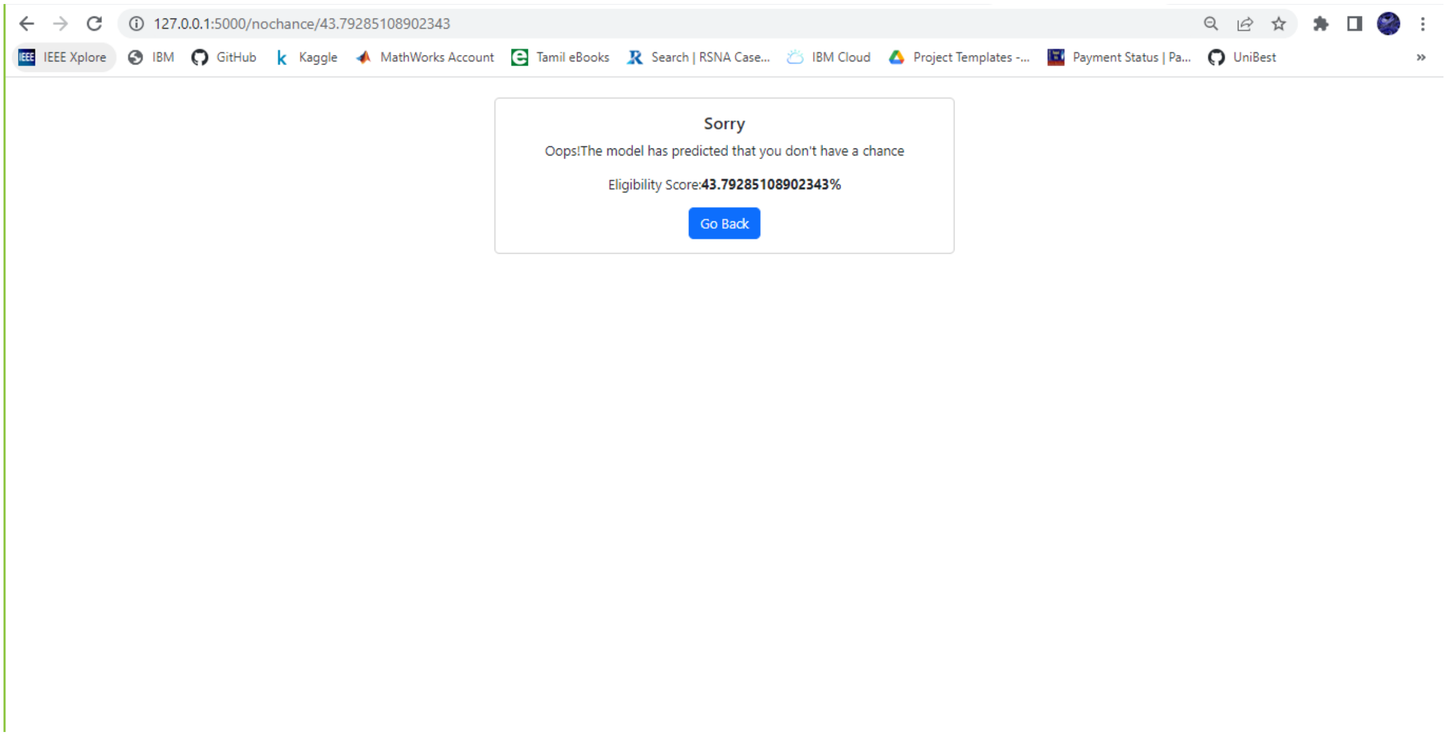
Congratulations!

Yay!The model has predicted that you have a chance

Eligibility Score:**79.58940853455628%**

Go Back

Not Eligibile Criteria:



Sorry

Oops!The model has predicted that you don't have a chance

Eligibility Score:**43.79285108902343%**

Defect Analysis

This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	10	4	2	3	20
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	5	2	1	8
Totals	24	14	13	26	77

Test Case Analysis

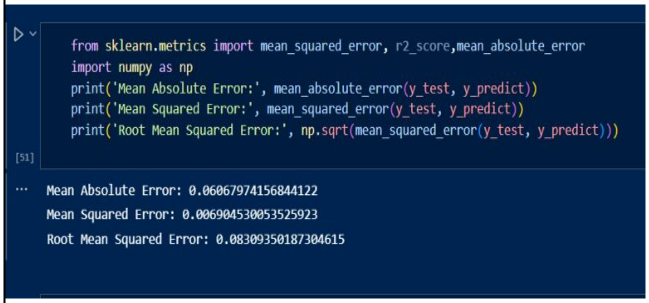
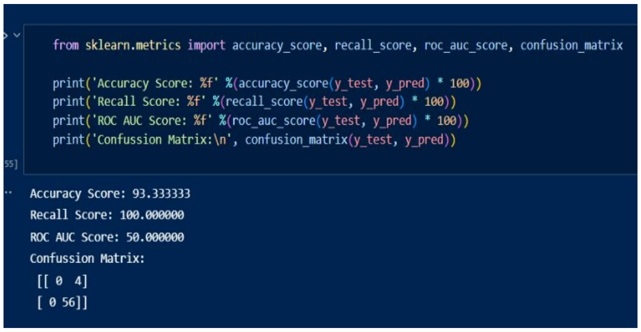
This report shows the number of test cases that have passed, failed,and untested

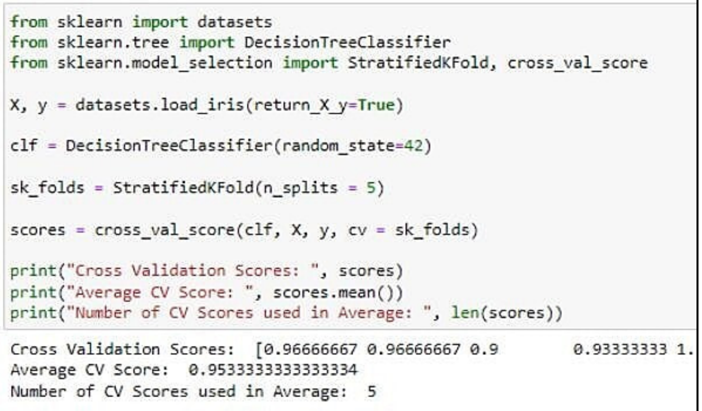
Section	Total Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client Application	42	0	0	43
Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

1.RESULTS:

Performance metrices

S.No.	Parameter	Values	Screenshot

1.	Metrics	**Regression Model:**
		MAE -
		0.06867974156844122
		,MSE
		–0.006984530053559
		23
		RMSE -
		0.08309350187384615
		Classification Model:
		Confusion Matrix -
		[[0 4]
		0 56]] , Accuracy
		Score-93.333333 &
			
			`from sklearn.metrics import mean_squared_error, r2_score,mean_absolute_error`
			`import numpy as np`
			`print('Mean Absolute Error:', mean_absolute_error(y_test, y_predict))`
			`print('Mean Squared Error:', mean_squared_error(y_test, y_predict))`
			`print('Root Mean Squared Error:', np.sqrt(mean_squared_error(y_test, y_predict)))`
			`[51]`
			`Mean Absolute Error: 0.06067974156844122`
			`Mean Squared Error: 0.006904530053525923`
			`Root Mean Squared Error: 0.08309350187304615`
			
			`from sklearn.metrics import accuracy_score, recall_score, roc_auc_score, confusion_matrix`
			`print('Accuracy Score: %f' %(accuracy_score(y_test, y_pred) * 100))`
			`print('Recall Score: %f' %(recall_score(y_test, y_pred) * 100))`
			`print('ROC AUC Score: %f' %(roc_auc_score(y_test, y_pred) * 100))`
			`print('Confussion Matrix:\n', confusion_matrix(y_test, y_pred))`
			`55]`
			`Accuracy Score: 93.333333`
			`Recall Score: 100.000000`
			`ROC AUC Score: 50.000000`
			`Confussion Matrix:`
			`[[ 0  4]`
			`[ 0 56]]`

2.	Tune the Model	Hyper parameter Tuning -Validation Method -	
			from sklearn import datasets
			from sklearn.tree import DecisionTreeClassifier
			from sklearn.model_selection import StratifiedKFold, cross_val_score
			
			X, y = datasets.load_iris(return_X_y=True)
			
			clf = DecisionTreeClassifier(random_state=42)
			
			sk_folds = StratifiedKFold(n_splits = 5)
			
			scores = cross_val_score(clf, X, y, cv = sk_folds)
			
			print("Cross Validation Scores: ", scores)
			print("Average CV Score: ", scores.mean())
			print("Number of CV Scores used in Average: ", len(scores))
			
			Cross Validation Scores: [0.96666667 0.96666667 0.9 0.93333333 1.
			Average CV Score: 0.9533333333333334
			Number of CV Scores used in Average: 5

ADVANTAGES AND DISADVANTAGES

Advantages

- It helps student for making decisionfor choosing a right college.
- Here the chance of occurrence of error is less when compared with the existingsystem.
- It is fast, efficientand reliable.
- Avoids data redundancy and inconsistency.
- Very user-friendly.
- Easy accessibility of data.

Disavantages:

- Required active internet connection.
- System will provide inaccurate results if data entered incorrectly.

CONCLUSION

Thus it is concluded that our model provides a robust prediction score with Multiple Linear Regression Algorithm & users are able to predict the scores what they expected. User experience of the websiteis a simple one to use & puts the user at ease to utilize the feature.

FUTURE SCOPE

We intend to enhance the user experience by adding the details of every universitiesso that the user can get to know the culture of the place, alumni reviews, rating of the universities etc.

- **APPENDIX**

Github :https://github.com/IBM-EPBL/IBM-Project-23614-1659888568

Project Demo: https://www.youtube.com/watch?v=tkz4m2_RRUw