PROJECT REPORT ON

UNIVERISTY ADMIT ELIGIBILITY PREDICTOR

TEAM ID: PNT2022TMID31349

Prepared by

NALLAMALA AKSHAY - B.E [710719104066]

SANJAY KUMAR M – B.E [710719104081]

NAVEEN V – B.E [710719104067]

MOHAMMAD ASLAM – B.E [710719104062]

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1. INTRODUCTION

1.1 OVERVIEW

The project uses a machine-learning model to estimate, using information like marks and other details, whether the user is qualified for admission to the rating universities that have been chosen. The algorithm is designed to display the user's percentage likelihood of admission when they enter information such their GRE, TOEFL, university rating, SOP, LOR, CGPA, and research scores. The user is given access to a user interface (UI) (Web-based application) where they can enter the above-mentioned information for prediction. The key benefit of this is that the user may use this program to estimate eligibility and possibility of admission rather than going through the time-consuming procedure of manually determining eligibility for university admission.

1.2 PURPOSE

The goal of this project is to easily estimate an applicant's eligibility for admission to a rated university using a user interface and the provided user information (GRE Score, TOEFL Score, University Rating, SOP, LOR, CGPA, Research). Additionally, this eliminates the chance of human error.

2. LITERATURE SURVEY

2.1 EXISTING PROPLEM

Previous studies in this field used the Naive Bayes algorithm to assess the likelihood that a student will be admitted to a particular university, but their main flaw was that they failed to take into account all the variables that would affect admission, such as TOEFL/IELTS, SOP LOR, and undergraduate GPA.

An evaluation network for the applications submitted by university's international students has been built using the Bayesian Networks Algorithm. By comparing prospective students' scores to those of university students currently enrolled, this model was created to predict how well they will do. On the basis of various student scores, the model therefore projected whether the prospective student should be admitted to the university. This method won't be as accurate because comparisons are only performed with students who were accepted into the universities and not with those whose admittance was denied.

2.2 REFERENCES

- https://www.researchgate.net/publication/343517433_Research_on_Prediction_of_ College Students' Performance Based on Support Vector Machine
- 2. https://www.researchgate.net/publication/348433004 Graduate Admission Prediction Using Machine Learning
- 3. https://www.researchgate.net/publication/341740217 ENGINEERING TECHNOLO

 GY ADMISSION ANALYSIS AND PREDICTION
- 4. https://towardsdatascience.com/introduction-to-modelling-tabular-data-predicting-a-students-chance-of-gaining-admission-using-ml-3a440f709c71
- 5. https://www.researchgate.net/publication/345391208 University Admissions Predictor
- 6. https://www.researchgate.net/publication/333064921 Predictive Models of Student College Commitment Decisions Using Machine Learning

2.3 REFERENCES

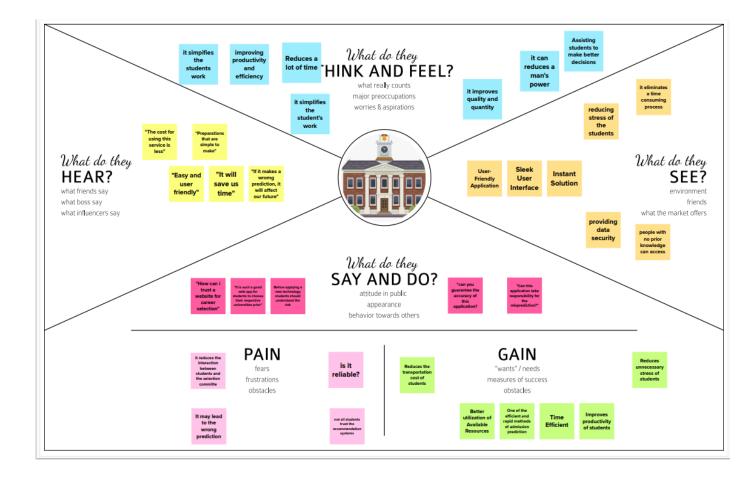
Finding an appropriate college for their future study is the students' biggest challenge. For many students, choosing which college to apply to is a difficult decision. Our method suggests universities in the order of the student's selection after comparing the student's information with historical admissions data.

3. IDEATION AND PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS

An empathy map is a collaborative visualization that is used to express what we know about a particular type of user. It externalizes user knowledge to facilitate decision-making and to foster a common understanding of user demands.

Traditional empathy maps are split into 4 quadrants (Says, Thinks, Does, and feels), with the user or persona in the middle. Empathy maps provide a glance into who a user is as a whole and are not chronological or sequential.



3.2 IDEATION AND BRAINSTROMING

Brainstorming is a method design teams use to generate ideas to solve clearly defined design problems. In controlled conditions and a free-thinking environment, teams approach a problem by such means as "How Might We" questions. They produce a vast array of ideas and draw links between them to find potential solutions.



Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.

(10 minutes to prepare

■ 1 hour to collaborate
 ■ 2-8 people recommended



Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

(1) 10 minutes

A Team gathering
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B Set the goal
Think about the problem you'll be focusing on solving in the brainstorming session.

C Learn how to use the facilitation tools
Use the Facilitation Superpowers to run a happy and productive session.

Open article →



Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

PROBLEM

How might we select the top university?

PROBLEM

How might we forecast the likelihood of admission to the university?

PROBLEM

How might we Create a predictor of a student's eligibility for admission to a university using their grades?



Stay in topic. Encourage wild ideas.

Go for volume.

(i) If possible, be visual.



1.A Beautiful interface will be created with UX Research in mind to give users the best possible User Interface Experience	2.The user will enter the marks and grades of their respective exams	3.The mark will be forwarded to the backend
4.The algorithm for this particular program will take the input and process it	BRAIN STORMING	5.The algorithm will fetch the predefined CSV file which contains the list of universities
6.Now this data will be processed by using Applied Data Science method	7.This ADS method will also train the data by using specified model for better predictions	8.Now the data that is fetched by this Algorithm is now transmitted from Backend to frontend User interface

3.3 PROPOSED SOLUTION

The aim of the proposed system is to address the limitations of the current system. The requirements for the system have been gathered from the defects recorded in the past and also based on the feedback from users of previous metrics tools.

Following are the objectives of the proposed system:

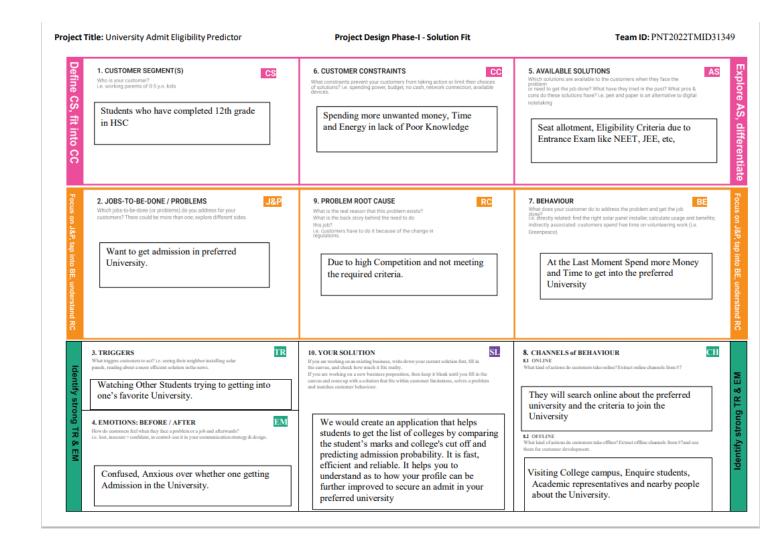
• Reach to geographically scattered student.

- Reducing time in activities
- Paperless admission with reduced man power
- Operational efficiency

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	 ✓ Students frequently worry about their prospects of getting into university, which causes them to feel frustrated and anxious. ✓ They seek assistance from various educational consultancies to help them secure admission in the universities based on their profile because they are unaware of the procedures, requirements, and specifics of the institutions they wish to attend. ✓ In return, the students are expected to pay a significant amount as a consultancy fee.
2.	Idea / Solution description	 ✓ The system's major objective is to increase performance by automating organizational procedures and achieving the concept of paperless admission. ✓ Based on a variety of factors, including university ranking, the GRE, academic performance, etc., the model will accurately forecast if a student will be admitted to the institution of their choice. ✓ The prediction model will be developed to be effective and efficient with the use of machine learning algorithms like KNN, linear regression, etc.
3.	Novelty / Uniqueness	 ✓ The outcomes of the forecast will be represented visually in the form of clear charts or graphs that include the previous score or university cut-off. ✓ Additionally, the online application will give feedback on the aspects where the candidate falls short so that he may strengthen those areas. ✓ Apart from displaying all potential qualified universities, the model will also display any additional admission criteria. ✓ The website can include a variety of amenities that are accessible at the university and give directions to the institution where it is located.

4.	Social Impact / Customer Satisfaction	 ✓ The direct linkage between students and institutions lowers the cost of consulting services. ✓ With comprehensive GRE, TOEFL, and other exam preparation resources, our model serves as a guide for users. ✓ By suggesting institutions where they have the highest chance of being admitted, it also assists them in reducing the number of applications they submit, helping them save money on application costs. ✓ Our system manages every aspect of a student's registration for a course and maintains the data in a useful, simply accessible state.
5.	Business Model (Revenue Model)	 ✓ Universities face enormous pressure to accept more students and guarantee student success. Predictive models can assist them reduce the stress of accepting new pupils and increase productivity, which will help them cope with this pressure. ✓ From a business perspective, paperless work, labour savings, a completely upgradeable computerization process, simple admittance, and a lucrative strategy in choosing the ideal applicant for the university. ✓ The online application could include advertisements for various colleges to generate revenue through nodes. ✓ In the future, a unique premium plan may be developed so that students can engage in direct video chats with professors and university graduates.
6.	Scalability of the Solution	 ✓ Using several classification algorithms, the student's GPA, GRE score, and TOEFL score will be considered as attributes to determine the best university for that student. ✓ In the future, we will include one faculty member from each institution to help students with questions about the school, the course, etc. We could include a chat option in this app as well. ✓ The model may be updated to keep up with the most recent qualifying requirements and take into account university-specific exams. ✓ As a result, the architecture of this system is largely scalable.

3.3 PROBLEM SOLUTION FIT



4. REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT

Functional requirements specify what a system should be able to do through computations, technical details, data manipulation and processing, and other specialized functions. Use cases, which are used to represent behavioral requirements, explain all the instances in which the system makes use of the functional requirements.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Users must be able to log into their accounts using the
		system by entering their email and password in order
		to prevent unauthorised access to the system.
FR-2	User Confirmation	Confirmation via Email
		Confirmation via OTP
FR-3	Management of Data	This application gives the user the ability toChange,
		Read, Update, and Delete (CRUD) data.
FR-4	Process for Managing Web	The process of registering a web client to offer Single
	Services	sign-on(SSO) or member data transfer
FR-5	Data Maintenance	The suggested application system manages the
		archiving, retrieval, and preservation of historical data.
FR-6	User Deliverables	Submission of pertinent documentation, including the
		necessary entrance exam score report, a curriculum
		vitae, a personal information, and a letter of
		recommendation
FR-7	User Account	Dashboards for applicants: Personal data, course and
		skill requirements, and percentage

4.2 NON - FUNCTIONAL REQUIREMENT

A non-functional requirement (NFR) is a requirement in systems engineering and requirements engineering that specifies criteria that can be used to judge the operation of a system rather than specific behaviors.

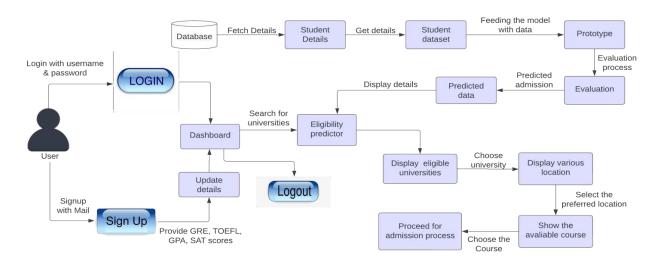
FR No.	Non-Functional Requirement	Description
NFR-1	Usability	➤ The system must have a logical interface in order
		to be user-friendly and accelerate common procedures.
		 Users cannot enter their information incorrectly
		more than 10% of the time on the checkout page.
NFR-2	Security	Student record handover procedures between
		institutions as well as authorization access
		situations and definitions.
		Use specific cryptography methods.
		Communication must be restricted while the
		application is validating the user or licence.

NFR-3	Reliability	>	By using backup techniques and tactics, data
			corruption may be prevented.
		\triangleright	All user variable data will be committed to the
			database at the time of entry.
NFR-4	Performance	V	Each student will be given a maximum of 10
			minutes, thus accessing the database should be
			done at a fair rate.
		>	The availability results of the requested college
			should be sent to the student in little more than
			two seconds, and data retrieval should be accurate.
NFR-5	Availability	>	The user should always have simple access to the
			system at all times.
		>	A replacement page will be shown in the event
			when the hardware or database malfunctions, and
			the data folder should be accessed to retrieve the
			database.
NFR-6	Scalability	>	Identifies the maximum workload at which the
		>	
	Availability Scalability	A	system at all times. A replacement page will be shown in the event when the hardware or database malfunctions, the data folder should be accessed to retrieve t database.

5. PROJECT DESIGN

5.1 DATA FLOW DIAGRAMS

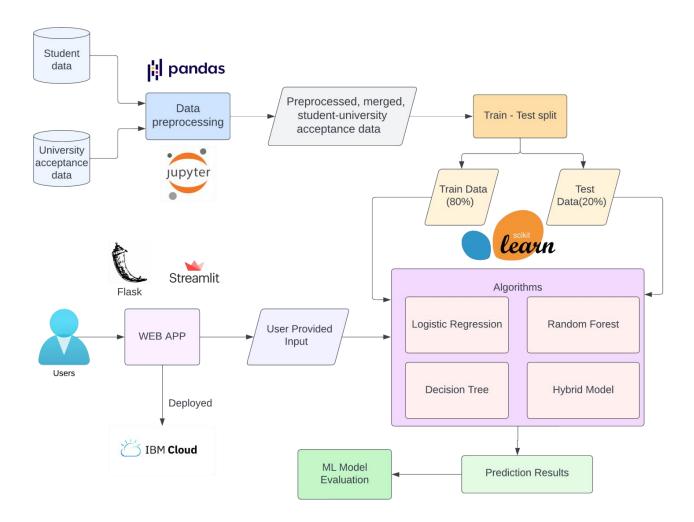
A Data Flow Diagram (DFD) is a traditional visual representation of a system's information flows. A neat and clear DFD can graphically depict the appropriate amount of system requirement. It demonstrates how data enters and exits the system, what changes the data, and where data is stored.



5.2 SOLUTION AND TECHNICAL ARCHITECTURE

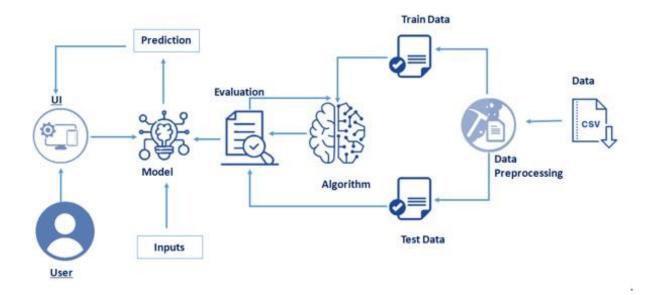
Solution Architecture:

A solution architecture (SA) is an architectural description of a specific solution. SAs combine guidance from different enterprise architecture viewpoints (business, information and technical), as well as from the enterprise solution architecture (ESA).



Technical Architecture:

Technical architecture (TA) is a type of information technology architecture used to design computer systems. It entails creating a technical blueprint for the arrangement, interaction, and interdependence of all elements in order to meet system-relevant requirements.



5.3 USER STORIES

A user story is an informal, general explanation of a software feature written from the end u ser's or customer's point of view. A user story's purpose is to articulate how a piece of work will provide a specific value to the customer.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Landing page	USN-1	As a user, I can view the details about the university	I can access the university landing page	Medium	Sprint-1
		USN-2	As a user, I can view the latest news about the university	I can access the latest news	Medium	Sprint-1
		USN-3	As a user, I can fill the contact form for queries	I can fill and submit the contact form	Low	Sprint-2
		USN-4	As a user, I can see the social media profiles of the university	I can reach out to them via social media	Medium	Sprint-1
		USN-5	As a user, I can see testimonials of students who graduated from the university	I can access the testimonials	Medium	Sprint-1
	Admissions	USN-6	As a user, I can see the previous year cut- off marks	I can download the previous year cut-off details	High	Sprint-2
		USN-7	As a user, I can read about proud alumni of the university	I can access the details of alumni of the university	Medium	Sprint-2
		USN-8	As a user, I can predict my eligibility for admission at the university	I can get result as either eligible/not eligible	High	Sprint-2
	Courses offered	USN-9	As a user, I can see the courses offered by the university for PG students	I can access the course details	Medium	Sprint-3

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Events	USN-10	As a user, I can check various technical events about to happen in the university	I can register for the events	Low	Sprint-3
	E-books	USN-11	As a user, I can download and read e- books relating to visa formalities	I can download the e- books	High	Sprint-3
	Scholarship	USN-12	As a user, I shall find resources regarding scholarship availability	I can access scholarship resources	High	Sprint-4
	Test prep materials	USN-13	As a user, I can download and read GRE, TOEFL test preparation materials	I can download test preparation materials	Medium	Sprint-4
Administra tor	Landing page	USN-14	As an administrator, I shall update the news about the university	I can check if the update is reflected or not	Medium	Sprint-4
	Events	USN-15	As an administrator, I can update the list of activities to be hosted	I can check if the update is reflected or not	Medium	Sprint-4

6. PROJECT PLANNING AND SCHEDULING

6.1 SPRINT PLANNING AND ESTIMATION

In Scrum Projects, Estimation is done by the entire team during Sprint Planning Meeting. The objective of the Estimation would be to consider the User Stories for the Sprint by priority and by the Ability of the team to deliver during the Time Box of the sprint.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Landing page	USN-1	As a user, I can view the details about the university	2	High	Sanjay kumar M
Sprint-1		USN-2	As a user, I will view the latest news about the university	1	High	Nallamala Akshay
Sprint-2		USN-3	As a user, I can fill the contact form for queries	2	Low	Naveen V
Sprint-1		USN-4	As a user, I can see the social media profiles of the university	2	Medium	Sanjay kumar M
Sprint-1		USN-5	As a user, I can see testimonials of students who graduated from the university	1	Medium	Mohammad Aslam
Sprint-2	Admission	USN-6	As a user, I can see the previous year cut off marks	2	High	Sanjay Kumar M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-7	As a user, I can read about proud alumni of the university	1	Medium	Naveen V
Sprint-2		USN-8	As a user, I can predict my eligibility for admission at the university	2	High	Sanjay kumar M
Sprint-3	Courses offered	USN-9	As a user, I can see the courses offered by the university for PG students	1	Medium	Nallamala Akshay
Sprint-3	Events	USN-10	As a user, I can check various technical events about to happen in the university	2	Low	Mohammad Aslam
Sprint-3	E-books	USN-11	As a user, I can download and read ebooks relating to visa formalities	2	High	Naveen V
Sprint-4	Scholarship	USN-12	As a user, I shall find resources regarding scholarship availability	1	High	Sanjay kumar M
Sprint-4	Test prep materials	USN-13	As a user, I can download and read GRE,TOEFL test preparation materials	1	Medium	Naveen V
Sprint-4	Landing page	USN-14	As an administrator, I shall update the news about the university	30	Medium	Mohammad Aslam
Sprint-4	Events	USN-15	As an administrator, I can update the list of activities to be hosted	15	Medium	Sanjay kumar M

6.2 SPRINT DELIVERY SCHEDULE

A sprint schedule is a document that details the sprint planning process from start to finish. It is one of the first steps in the agile sprint planning process, and it necessitates thorough research, planning, and communication.

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	15	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

7. CODING AND SOLUTIONING

7.1 FEATURE 1

- We have updated the website image, which can change the visual appearance of the website and can be a very effective way to refresh the content above the fold.
- It aids in attracting attention and directing the user's line of sight.
- A basic requirement for the user interface is clear and consistent navigation.
- If it proves difficult, most users will not want to waste their time attempting to figure it out.
- Simple to comprehend
- Excellent design and functionality
- Site visitors are always pressed for time. Make them work for information, not for it. User Experience is critical in assisting visitors to use, understand, and stay on your website.
- Search and social media optimization
- Images allow for the identification of features that would otherwise be difficult to detect.

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IF=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">
    < tre="stylesheet" type="text/css" rel="noopener" target="_blank" href="../static/css/style.css">
    < link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5.</li>
    <script type="text/javascript" src="../static/js/script.js" async></script>
    <title>University Admit Eligibility Predictor</title>
</head>
<body>
    <nav class="navbar navbar-expand-lg bg-light">
        <div class="container-fluid">
            <a class="navbar-brand text-responsive-h" href="/">
                University Admission Eligibility Prediction System
        </div>
    </nav>
    {% block body %}
    <h1> Index Page </h1>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-0ErcA2EqjJCMA+/3y+gxI0qMEjwtxJY7qPCqsdltbNJu-</p>
</body>
</html>
```

7.2 FEATURE 2

- The student has to enter the marks such as GRE, TOEFL, CGPA, etc and click calculate to view the results page.
- If the student has at least the minimum marks, he/ she has a chance to enter the university
 of their choice.
- If the student has low marks, they have no chance to get into the university.

Chance.html

Nochnace.html

```
\underline{\textbf{Refactor}} \quad \underline{\textbf{Run}} \quad \underline{\textbf{Iools}} \quad \textbf{VCS} \quad \underline{\textbf{W}} \\ \underline{\textbf{Mindow}} \quad \underline{\textbf{Help}} \qquad \text{flaskProject - ...} \\ \textbf{templates} \\ \textbf{nochance.html}
     {% extends 'index.html' %}
     {% block body %}
     <div class="container text-center p-4">
          <div class="d-flex justify-content-center">
               <div class="card" style="...">
                     <img src="..\static\images\nochance.png" class="card-img-top" alt="...">
                     <div class="card-body">
                          <h5 class="card-title">You have a LOW / NO chance</h5>
                           The model has predicted that you only have <strong>{{content[0]}}%</strong> chance
                           <a href="/home" class="btn btn-primary">Go Back</a>
                     </div>
                </div>
          </div>
     </div>
     {% endblock %}
```

7.3 DATABASE SCHEMA

Serial No.	GRE Score	TOEFL Sco	University	SOP	LOR	CGPA	Research	Chance of	Admit
1	337	118	4	4.5	4.5	9.65	1	0.92	
2	324	107	4	4	4.5	8.87	1	0.76	
3	316	104	3	3	3.5	8	1	0.72	
4	322	110	3	3.5	2.5	8.67	1	0.8	
5	314	103	2	2	3	8.21	0	0.65	
6	330	115	5	4.5	3	9.34	1	0.9	
7	321	109	3	3	4	8.2	1	0.75	
8	308	101	2	3	4	7.9	0	0.68	
9	302	102	1	2	1.5	8	0	0.5	
10	323	108	3	3.5	3	8.6	0	0.45	
11	325	106	3	3.5	4	8.4	1	0.52	
12	327	111	4	4	4.5	9	1	0.84	
13	328	112	4	4	4.5	9.1	1	0.78	
14	307	109	3	4	3	8	1	0.62	
15	311	104	3	3.5	2	8.2	1	0.61	
16	314	105	3	3.5	2.5	8.3	0	0.54	
17	317	107	3	4	3	8.7	0	0.66	
18	319	106	3	4	3	8	1	0.65	
19	318	110	3	4	3	8.8	0	0.63	
20	303	102	3	3.5	3	8.5	0	0.62	
21	312	107	3	3	2	7.9	1	0.64	
22	325	114	4	3	2	8.4	0	0.7	

8. TESTING

8.1 TEST CASES

Test Case ID	Feature Type	Component	Test Scenario	Pre- Requi site	Steps To Execute	Test Data	Expected Result	Status	TC for Automation (Y/N)	Bug ID	Executed By
LoginPage_TC_001	UI	Index	Verify the UI elements in home page		1.Enter URL with link 2.Enter the Scores 3.Click the Predict button	http://127.0.0.1:5000/ home	Working as Expected	Pass			
LoginPage_TC_002	Functional	Chance	Verify whether student is eligible for admission		1.As per Score it is Predicted 2.To get above 50% 3.The chance is shown	http://127.0.0.1:5000/ chance/74.418322174 05506	Working as Expected	Pass			
LoginPage_TC_002	Functional	No Chance	Verify whether student doesn't have chance for admission		1.As per score it is predicted 2.Below 50% 3.Shows Low chance	http://127.0.0.1:5000/ nochance/48.1525488 38658205	Working as Expected	Pass			

8.2 USER ACCEPTANCE TESTING

Defect analysis

This report shows the number of bugs that have been resolved or closed at each severity level, as well as how they were resolved.

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtota 1	
By Design	4	7	2	4	17	
Duplicate 3		2	2	0	7	
External 0		0	4	0	4	
Fixed	6	2	5	4	17	
Not Reproduced	2	0	0	1	3	
Skipped	0	2	0	1	3	
Won'tFix	0	0	3	1	4	
Totals 15		13	16	11	55	

Test case analysis

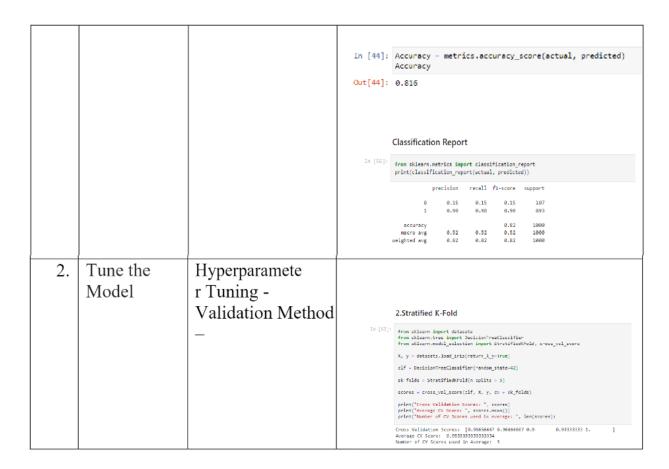
This report displays the number of test cases that passed, failed, or went untested.

Section	TotalCases	Not Tested	F ai l	Pas s
PrintEngine	4	0	0	4
ClientApplication	2	0	0	2
Security	8	0	0	8
OutsourceShipping	2	0	0	2
ExceptionReporting	6	0	0	6
FinalReportOutput	32	0	0	32
VersionControl	5	0	0	5

9. RESULTS

9.1 PERFORMANCE MATRICS

S.No	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE - 0.04555 MSE - 0.00426 RMSE - 0.06527 , R2 score - 0.71683 Classification Model: Confusion Matrix - Accuracy Score -0.82 Classification Report -	Mean Squared Error (MSE) from sklearn.metrics import mean_squared_error, r2_score mse = mean_squared_error/(pred_test,y_test) [25] mse



10. ADVANTAGES

- It assists students in making decisions about which college to attend.
- When compared to the existing system, the possibility of error occurring is lower here.
- It is quick, efficient, and dependable and very simple to use.
- Avoids data duplication and inconsistency.
- Data is easily accessible.
- It would be the simplest way to predict which universities/colleges a person is qualified for, as well as the most unbiased and transparent.
- Individuals would no longer have to rely on consultancies that may be slightly deviated from the list of colleges/universities with which they have contracts.
- Furthermore, applying only to colleges/universities where the student has a genuine chance would shorten the application process.
- Furthermore, the living expenses of the area where colleges/universities are located would be provided on the website.

DISADVANTAGES

- An active internet connection is required.
- If data is entered incorrectly, the system will produce inaccurate results.
- Other factors, such as changes in university or national policies, can also affect admissions chances in ways that are beyond the scope of this project.
- Admissions are also subject to the individual university's policy on the acceptance of international students, which is not modeled by our system.

11. CONCLUSION

To predict the output, Random forest regression is used, and a web application is built using various technologies such as Python, HTMLS, CSS, Flask, Scikit, Matplot, Numpy, Pandas, Seaborn, and other libraries. After the web application has been deployed, it can be accessed from any location with an internet connection. This project reduces the long hours of analysis required to predict admission eligibility to a rated university.

12. FUTURE SCOPE

This project's future scope is extremely broad. Some of them are:

- This can be implemented in less time for proper admission process.
- This can be accessed anytime, anywhere, because it is a web application that requires only an internet connection.
- The user did not need to travel a long distance for the admission and his/her time is also saved as a result of this automated system.

13. APPENDIX

13.1 SOURCE CODE

Index.html

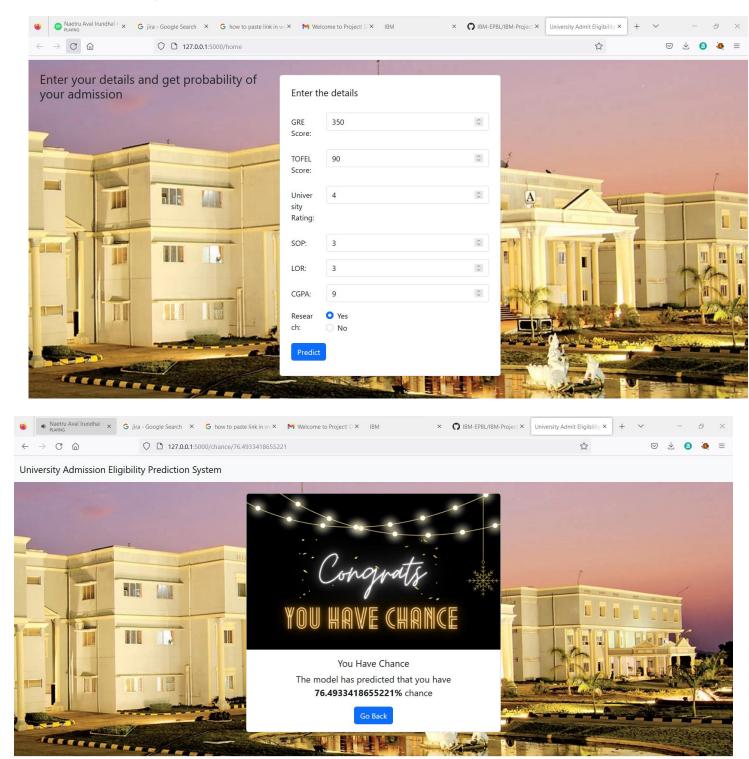
```
<meta name="viewport" content="width=device-width, initial-scale=1, maximum-</pre>
scale=1, user-scalable=no">
 link rel="stylesheet" type="text/css" rel="noopener" target="_blank"
href="../static/css/style.css">
 k href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi"
crossorigin="anonymous">
 <script type="text/javascript" src="../static/js/script.js" async></script>
 <title>University Admit Eligibility Predictor</title>
</head>
<body>
 <nav class="navbar navbar-expand-lg bg-light">
   <div class="container-fluid">
     <a class="navbar-brand text-responsive-h" href="/">
       University Admission Eligibility Prediction System
     </a>
   </div>
 </nav>
 {% 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+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3"
crossorigin="anonymous"></script>
</body>
</html>
```

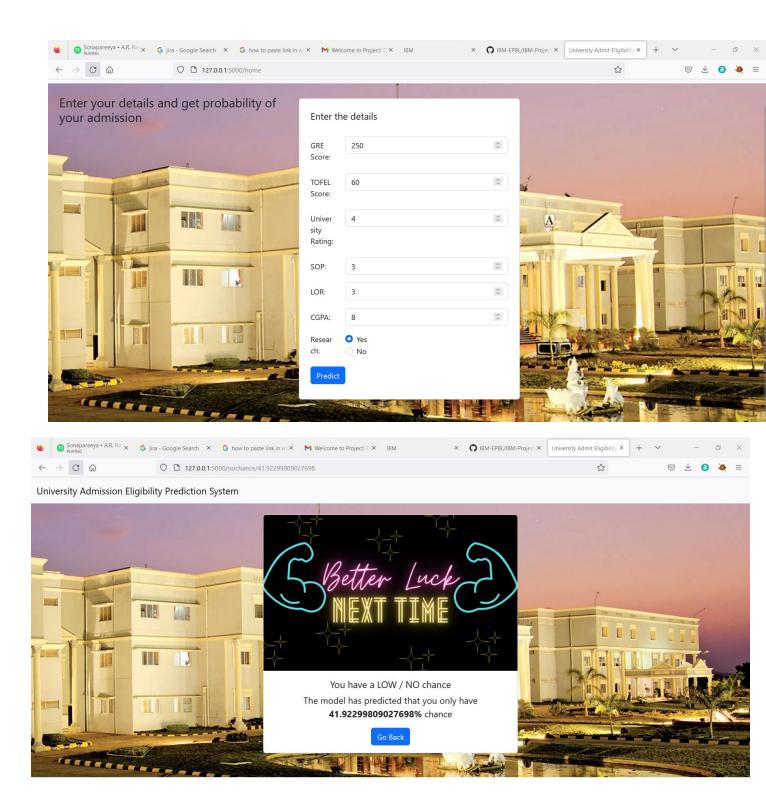
Chance.html

```
{% extends 'index.html' %}
{% block body %}
<div class="container text-center p-4">
 <div class="d-flex justify-content-center">
   <div class="card" style="width: 34rem;">
     <img src="..\static\images\chance.png" class="card-img-top" alt="...">
     <div class="card-body">
       <h5 class="card-title">You Have Chance</h5>
       The model has predicted that you have
<strong>{{content[0]}}%</strong> chance
       <a href="/home" class="btn btn-primary">Go Back</a>
     </div>
   </div>
 </div>
</div>
{% endblock %}
Nochance.html
{% extends 'index.html' %}
{% block body %}
<div class="container text-center p-4">
 <div class="d-flex justify-content-center">
   <div class="card" style="width: 34rem;">
     <img src="..\static\images\nochance.png" class="card-img-top" alt="...">
     <div class="card-body">
       <h5 class="card-title">You have a LOW / NO chance</h5>
       The model has predicted that you only have
<strong>{{content[0]}}%</strong> chance
       <a href="/home" class="btn btn-primary">Go Back</a>
     </div>
   </div>
  </div>
```

</div>
{% endblock %}

13.2 GitHub & PROJECT DEMO LINK





GitHub Link: https://github.com/IBM-EPBL/IBM-Project-38699-1660384694

Project video link: https://drive.google.com/file/d/1S9jvuDwzceO3IWVFYBIANl8-WGMiYwaf/view?usp=share-link