UNIVERSITY ADMIT ELIGIBILITY PREDICTOR PROJECT REPORT

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In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE

(An Autonomous Institution)



(Approved by AICTE and Affiliated to Anna University, Chennai)

ACCREDITED BY NAAC WITH "A" GRADE

NOVEMBER 2022

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BONAFIDE CERTIFICATE

Certified that this project report "UNIVERSITY ADMIT ELIGIBILITY PREDICTOR" is the bonafied work of "Logeshkumar R (19EUCS074), Manjunathan V (19EUCS080), Mohana Sowdesh R (19EUCS091), Naveen Anend S (19EUCS098)" who carried out the project work under my supervision.

SIGNATURE

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This p	project report is	submitted	for the	autonomous	project v	'iva-
voice	examination h	eld on		•••		

INTERNAL EXAMINER

EXTERNAL EXAMINER

ACKNOWLEDGEMENT

We express our sincere thanks to the management and **Dr. J. JANET M.E., Ph.D.,** Principal, Sri Krishna College of Engineering and Technology, Coimbatore for providing us the facilities to carry out this project work.

We are thankful to **Dr. K. SASI KALA RANI M.E., Ph.D.,** Professor and Head of Department of Computer Science and Engineering, for her continuous evaluation and comments given during the course of the project work.

We express our deep sense of gratitude to our supervisor Ms. K. M. MAJIDHA FATHIMA M.E., (Ph.D.), Assistant Professor, Department of Computer Science and Engineering for her valuable advice, guidance and support during the course of our project work.

We would also like to thank our IBM Nalaiya Thiran project coordinator **Dr. P. MOHAN KUMAR M.E., Ph.D.,** Professor, Department of Computer Science and Engineering for helping us in completing our project work.

We would also like to thank our Industry Mentors Mr. MOHAMMED AZARUDDIN and Mr. SANDESH of IBM for training us in this domain which helped in completing our project work.

We express our heartfelt sense of gratitude and thanks to our beloved parents, family and friends who have helped during the project course.

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CHAPTER 1

INTRODUCTION

1.1 PROJECT OVERVIEW

The project is implemented using a Machine-Learning model that predicts whether the user is eligible for an admission in the selected rated universities with provided details such as marks and others. The algorithm works in such a way that when the user provides the details such as (GRE Score, TOEFL Score, University Rating, SOP, LOR, CGPA, Research) the percentage of chance of admit is displayed. The user is provided with a UI (Web based application) in which the user can enter the details mentioned above for prediction. The main advantage of this is that the user can avoid long process of having to check the eligibility of a university admission by himself and make use of this application to predict the eligibility / chance of admit.

1.2 PURPOSE

University and College research being one part of the university application process is itself an arduous and lengthy task. This issue is a big problem for students have not been solved till now. There are recognized sites which filter the best universities and colleges based on the location, tuition fees, major and degree but none of them have use machine learning algorithm to solve the issue.

Hence, we have done this research project to solve that issue to some extent with the use of data mining techniques.

CHAPTER 2 LITERATURE SURVEY

2.1 EXISTING PROBLEM

Previous research done in this area used Naive Bayes algorithm which will evaluate the success probability of student application into a respective university but the main drawback is they didn't consider all the factors which will contribute in the student admission process like TOEFL/IELTS, SOP, LOR and under graduate score. Bayesian Networks Algorithm have been used to create a decision support network for evaluating the application submitted by foreign students of the university. This model was developed to forecast the progress of prospective students by comparing the score of students currently studying at university. The model thus predicted whether the aspiring student should be admitted to university on the basis of various scores of students. Since the comparisons are made only with students who got admission into the universities but not with students who got their admission rejected so this method will not be that much accurate.

2.2 REFERENCES

- [1] Graduate Admission Prediction Using Machine Learning by Sara Aljasmi, Department of Computer Science, University of Sharjah
- [2] M. S. Acharya, A. Armaan, and A. S. Antony, "A Comparison of Regression Models for Prediction of Graduate Admissions," Kaggle, 2018.
- [3] A. B. Nassif, "Software Size and Effort Estimation from Use Case Diagrams Using Regression and Soft Computing Models," University of Western Ontario, 2012.
- [4] N. Chakrabarty, S. Chowdhury, and S. Rana, "A Statistical Approach to Graduate Admissions' Chance Prediction," no. March, pp. 145–154, 2020.
- [5] N. Gupta, A. Sawhney, and D. Roth, "Will i Get in? Modeling the Graduate Admission Process for American Universities," IEEE Int. Conf. Data Min. Work. ICDMW, vol. 0, pp. 631–638, 2016.
- [6] A. Waters and R. Miikkulainen, "GRADE: Graduate Admissions," pp. 64–75, 2014
- [7] S. Sujay, "Supervised Machine Learning Modelling & Analysis for Graduate Admission Prediction," vol. 7, no. 4, pp. 5–7, 2020.

2.3 PROBLEM STATEMENT DEFINITION

Every year thousands of college graduates apply for the master and PhD programs in US universities from all around the world. Applying to US universities is not an easy task, it involves many steps and procedures to follow. Choosing the right universities or colleges is definitely an another hurdle students have to face. Many students apply for the universities in which they have little chance of acceptance. This leads students of poor economic backgrounds to frustration and anxiety as they only lose surplus amount of money just for applying to those universities. This is because overall university application cost is not affordable for students with low economic backgrounds. US universities application cost for top level universities range from \$70 to \$90. In the same way total cost to send GRE scores to any individual University is \$27 and cost of sending TOEFL score to any individual university is \$19. These stats show students have to throw away lots of hard works and hard-earned money for nothing if they got rejected in universities they have applied for.

What if there is a system that could guide students and recommend best universities list and predict their admission chance in those universities according to their profile and scores. So, the idea behind 'University Recommendation and Admission Prediction System' is the context mentioned above.

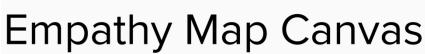
CHAPTER 3

IDEATION & PROPOSED SOLUTION

3.1 EMPATHY MAP CANVAS

An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviours and attitudes.

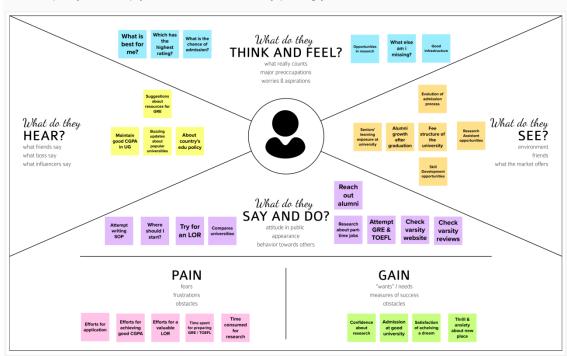
- It is a useful tool to helps teams better understand their users.
- Creating an effective solution requires understanding the true problem and the person who is experiencing it.
- This exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.



Gain insight and understanding on solving customer problems.

1

Build empathy and keep your focus on the user by putting yourself in their shoes.

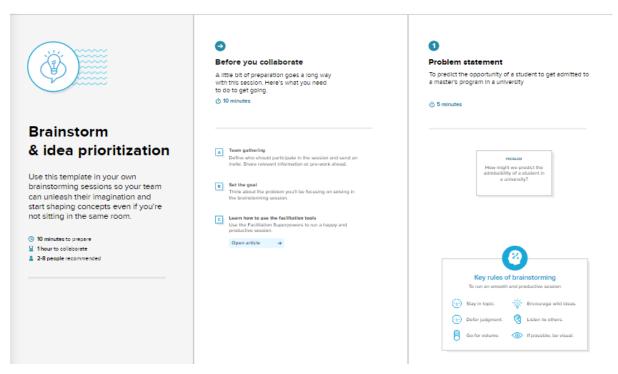


Share your feedback

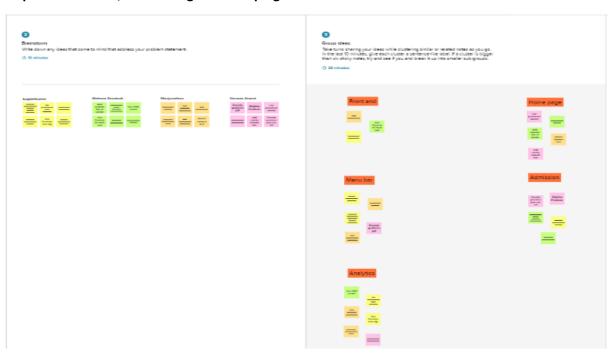
3.2 IDEATION & BRAINSTORMING

Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

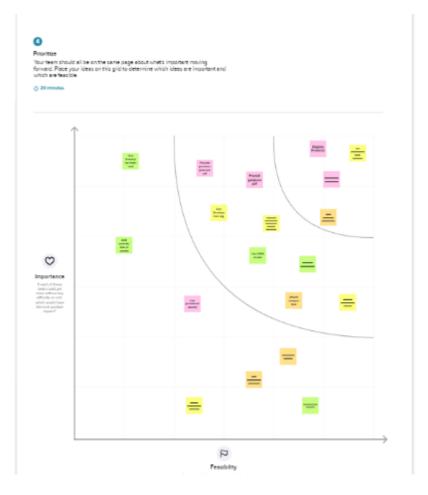
Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping



Step-3: Idea Prioritization



3.3 PROPOSED SOLUTION

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To predict the probability of a student to get admitted in a master's program in a university
2.	Idea / Solution description	Our project will help UG graduates in short-listing universities for their masters with their CGPA, GRE, TOEFL scores. The predicted output will give them a fair idea about their admission chances in a particular university. This analysis will also help students who are currently preparing or will be preparing to get a better idea. It will students to know more about university in terms of research opportunities, admission process, courses offered and prominent alumni of the university.

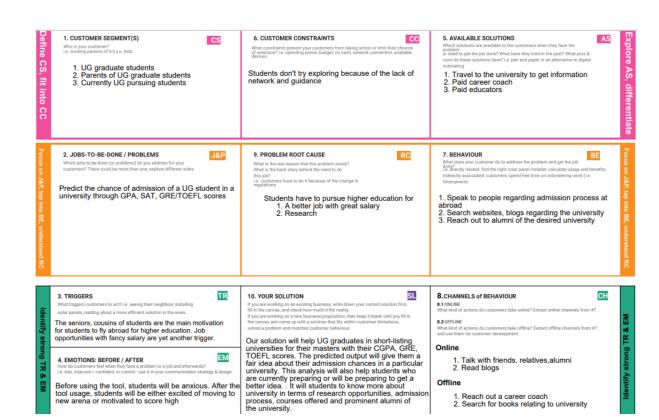
3.	Novelty / Uniqueness	The website lists various amenities present at the university, guides to travel to the city where university is situated, scholarship opportunities, GRE/TOEFL prep guide and financial assistance
4.	Social Impact / Customer Satisfaction	This solution will reduce panic among students and their anxiety of getting admitted in their dream institution
5.	Business Model (Revenue Model)	University shall fund the website in order to maintain it. In addition, revenue can be generated by advertising GRE/TOEFL coaching centres/sites
6.	Scalability of the Solution	A future update shall have chat space comprising aspirants, faculty, current students and alumni. It can be scaled for universities all around the world.

3.4 PROBLEM SOLUTION FIT

The Problem-Solution Fit simply means that we have found a problem with our customer and that the solution we have realized for it actually solves the customer's problem. It helps entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why.

Purpose:

Solve complex problems in a way that fits the state of your customers.
Succeed faster and increase your solution adoption by tapping into existing mediums
and channels of behavior.
Sharpen your communication and marketing strategy with the right triggers and
messaging.
Increase touch-points with your company by finding the right problem-behavior fit
and building trust by solving frequent annoyances, or urgent or costly problems.
Understand the existing situation in order to improve it for your target group.



Reach out a career coach
 Search for books relating to university

CHAPTER 4

REQUIREMENT ANALYSIS

4.1 FUNCTIONAL REQUIREMENT

Following are the functional requirements of the proposed solution.

FR	Functional Requirement	Sub Requirement (Story / Sub-Task)
No.	(Epic)	
FR-1	Calculate admission predictability	Enter GPA, TOEFL, GRE scores
FR-2	Check information about university	Check previous year cut-off
FR-3	Check information about prominent alumni	Access the community channel containing professors, current students and alumni
FR-4	Watch campus tour	Check guide for visa application and other procedures
FR-5	Check financial assistance tab	Check scholarship eligibility and application procedure

4.2 NON-FUNCTIONAL REQUIREMENT

Following are the non-functional requirements of the proposed solution.

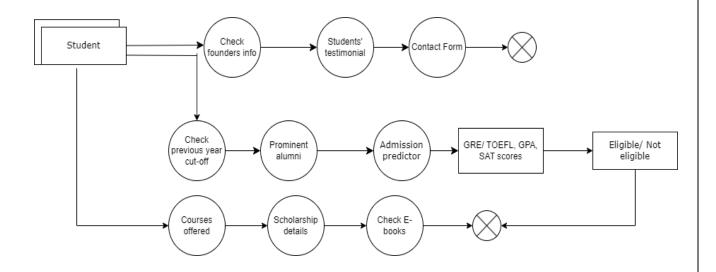
FR	Non-Functional Requirement	Description
No.		
NFR-1	Usability	The UI/UX enhances the user experience. The
		entire journey of the customer throughout the
		application will be hustle free making it a
		smooth experience for the user.
NFR-2	Security	It is safe to use this application since no user
		data is stored
NFR-3	Reliability	The system will give accurate and reliable
		results 98 percent of the times.
NFR-4	Performance	The landing page supporting 1000 users per hour
		must provide 6 second or less response time in a
		Chrome desktop browser, including the
		rendering of text and images and over an LTE
		connection
NFR-5	Availability	The admission predictor will be available to
		users 99.98 percent of the time every month.
NFR-6	Scalability	The system must be scalable enough to support
		1,000,000 visits at the same time while
		maintaining optimal performance.

CHAPTER 5

PROJECT DESIGN

5.1 DATA FLOW DIAGRAM

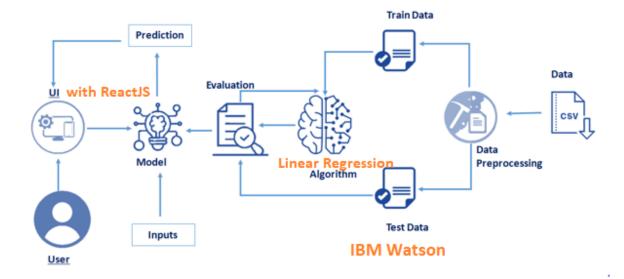
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



5.2 SOLUTION & TECHNICAL ARCHITECTURE

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behaviour, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.



The UI will be developed with React JS. The model will be built using Linear Regression algorithm for good accuracy.

5.3 USER STORIES

User Type	Functional	User Story	User Story / Task	Release
	Requirement (Epic)	Number		
Customer	Landing page	USN-1	As a user, I can view the details	Sprint-1
			about the university	
		USN-2	As a user, I can view the latest	Sprint-1
			news about the university	
		USN-3	As a user, I can fill the contact	Sprint-2
			form for queries	
		USN-4	As a user, I can see the social	Sprint-1
			media profiles of the university	
		USN-5	As a user, I can see testimonials	Sprint-1
			of students who graduated	
			from the university	
	Admissions	USN-6	As a user, I can see the previous	Sprint-2
			year cut-off marks	
		USN-7	As a user, I can read about	Sprint-2
			proud alumni of the university	
		USN-8	As a user, I can predict my	Sprint-2
			eligibility for admission at the	
			university	
	Courses offered	USN-9	As a user, I can see the courses	Sprint-3
			offered by the university for PG	
			students	
	Events	USN-10	As a user, I can check various	Sprint-3
			technical events about to	
			happen in the university	

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Release
	E-books	USN-11	As a user, I can download and read e-books relating to visa formalities	Sprint-3
	Scholarship	USN-12	As a user, I shall find resources regarding scholarship availability	Sprint-4
	Test prep materials	USN-13	As a user, I can download and read GRE, TOEFL test preparation materials	Sprint-4
Administr ator	Landing page	USN-14	As an administrator, I shall update the news about the university	Sprint-4
	Events	USN-15	As an administrator, I can update the list of activities to be hosted	Sprint-4

CHAPTER 6 PROJECT PLANNING & SCHEDULING

6.1 SPRINT PLANNING & ESTIMATION

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Team Members
Sprint-1	Landing page	USN-1	As a user, I can view the details about the university	8	Manjunathan, Mohana Sowdesh
Sprint-1		USN-2	As a user, I can view the latest news about the university	2	Logeshkumar, Naveen Anend
Sprint-2		USN-3	As a user, I can fill the contact form for queries	2	Mohana Sowdesh, Logeshkumar
Sprint-1		USN-4	As a user, I can see the social media profiles of the university	5	Manjunathan, Mohana Sowdesh
Sprint-1		USN-5	As a user, I can see testimonials of students who graduated from the university	5	Logeshkumar, Naveen Anend
Sprint-2	Admissions	USN-6	As a user, I can see the previous year cut-off marks	8	Mohana Sowdesh, Logeshkumar
Sprint-2		USN-7	As a user, I can read about proud alumni of the university	5	Manjunathan, Mohana Sowdesh
Sprint-2		USN-8	As a user, I can predict my eligibility for admission at the university	5	Naveen Anend, Logeshkumar
Sprint-3	Courses	USN-9	As a user, I can see the courses offered by the university for PG	5	Logeshkumar, Naveen Anend

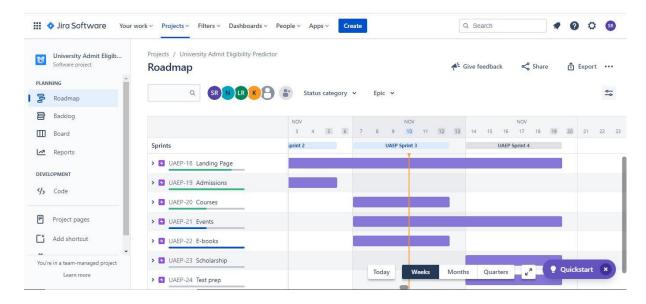
Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story points	Team Members
			students		
Sprint-3		USN-10	As a user, I can see the research facilities at the university	5	Logeshkumar, Mohana Sowdesh
Sprint-3	Events	USN-11	As a user, I can check various technical events about to happen in the university	5	Naveen Anend, Mohana Sowdesh
Sprint-3	E-books	USN-12	As a user, I can download and read e-books relating to visa formalities	5	Naveen Anend, Manjunathan
Sprint-4	Scholarship	USN-13	As a user, I shall find resources regarding scholarship availability	8	Mohana Sowdesh, Logeshkumar
Sprint-4	Test prep	USN-14	As a user, I can download and read GRE, TOEFL test preparation materials	5	Manjunathan, MohanaSowdesh
Sprint-4	Landing page	USN-15	As an administrator, I shall update the news about the university	5	Logeshkumar, Manjunathan
Sprint-4	Events	USN-16	As an administrator, I can update the list of activities to be hosted	2	Logeshkumar, Naveen Anend

6.2 SPRINT DELIVERY SCHEDULE

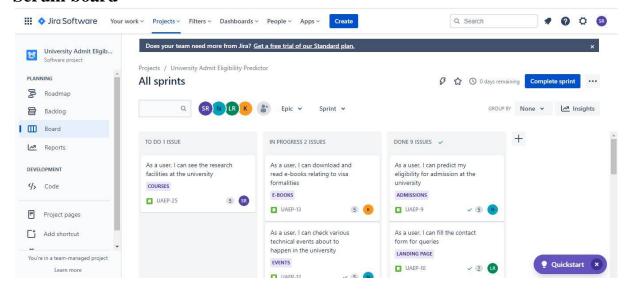
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022

6.3 REPORTS FROM JIRA

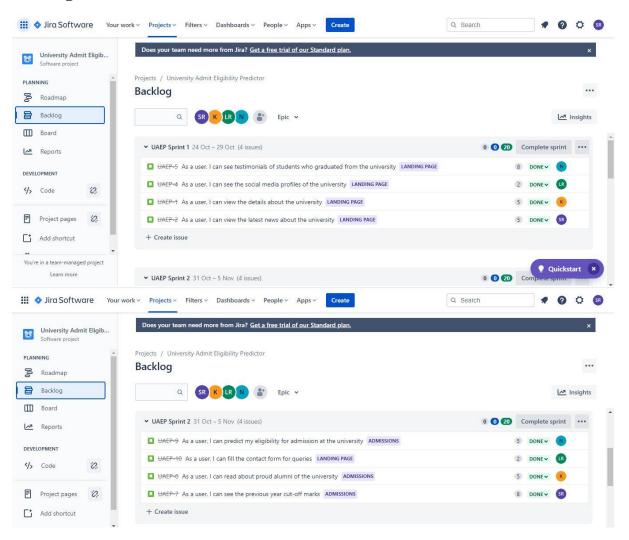
Roadmap

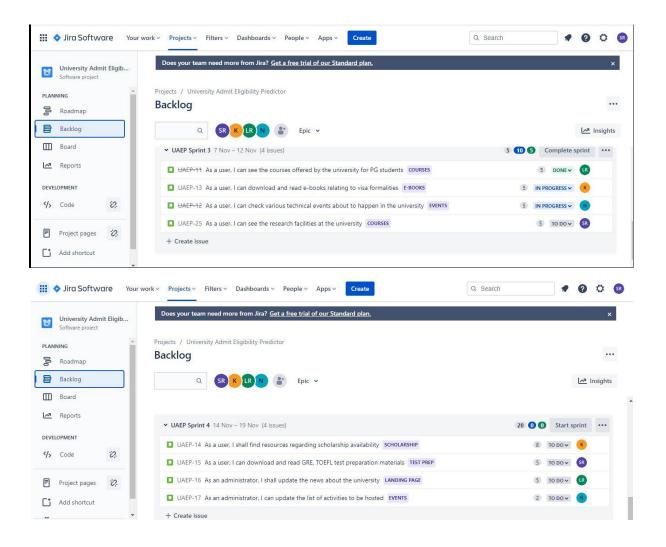


Scrum board

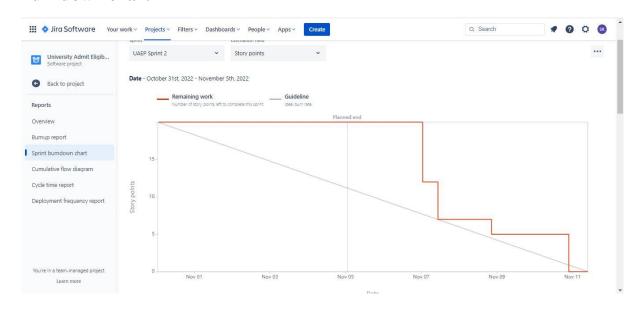


Backlogs





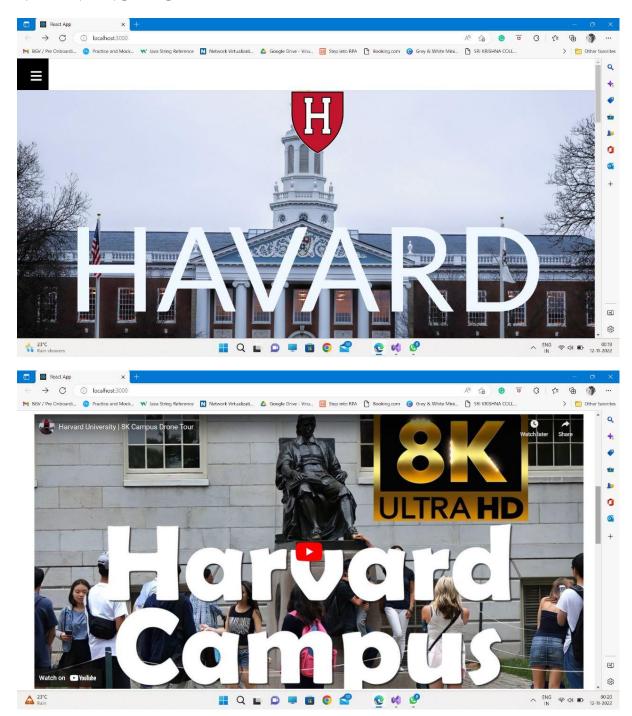
Burndown chart

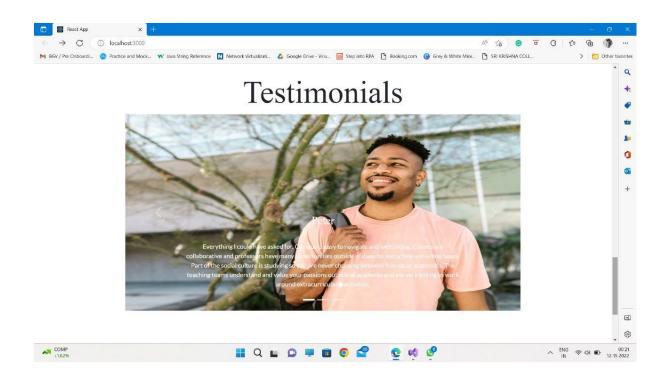


CHAPTER 7

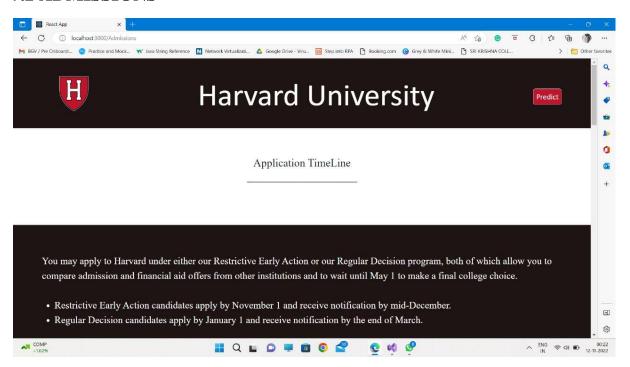
CODING & SOLUTIONING

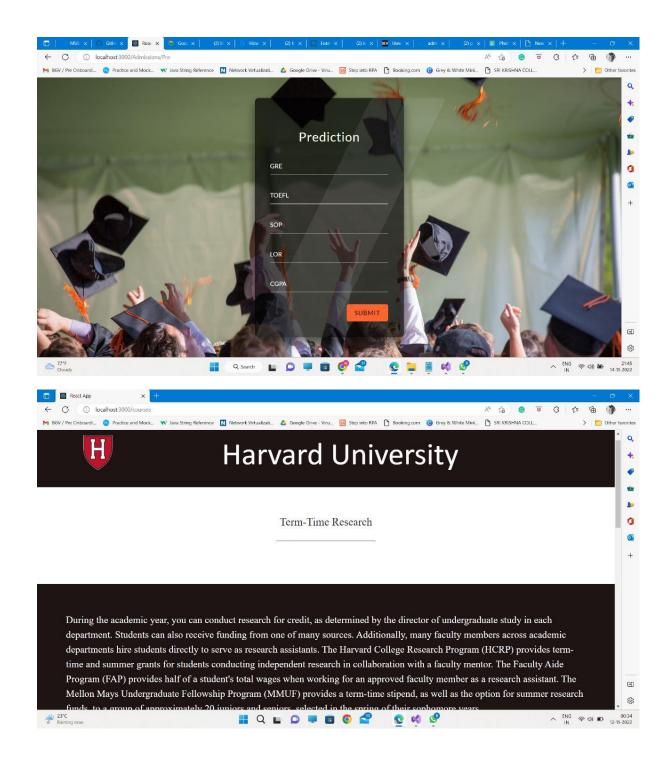
7.1 LANDING PAGE



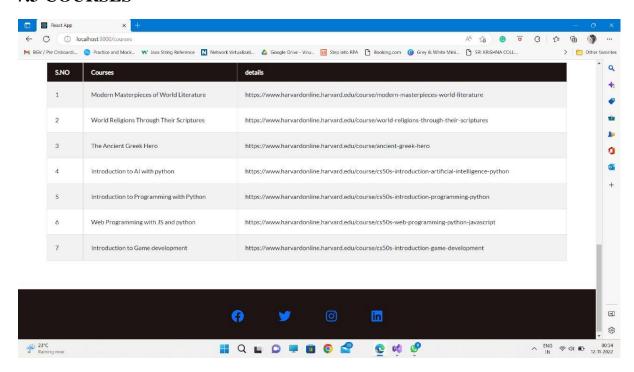


7.2 ADMISSIONS

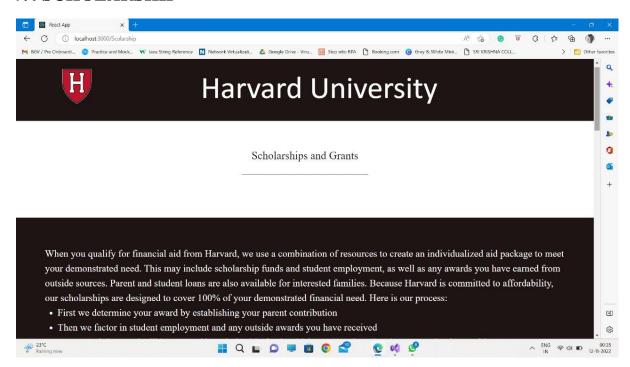


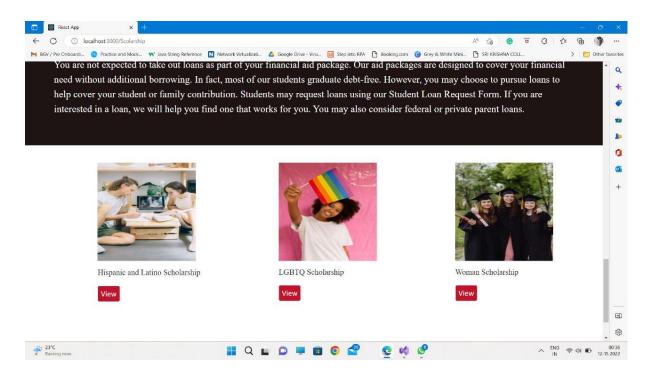


7.3 COURSES

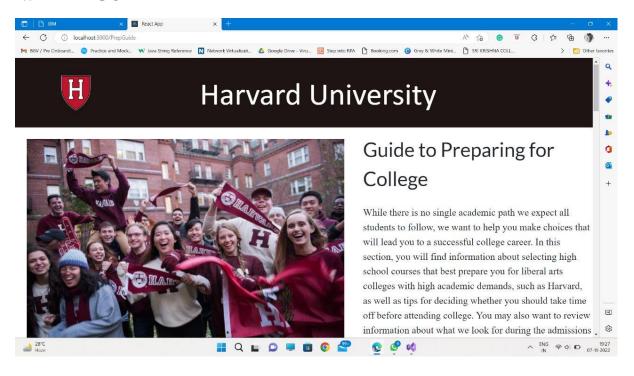


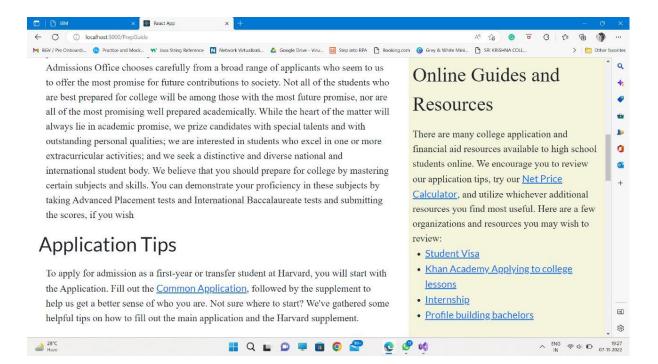
7.4 SCHOLARSHIP





7.5 PREP GUIDE





CHAPTER 8

TESTING

8.1 TEST CASES

- 1. Verify if user is able to see landing page
- 2. Verify if the menu bar is works on clicking
- 3. Verify user is able to navigate to admissions page
- 4. Verify user is able to see the testimonials
- 5. Verify the page elements are clear
- 6. Verify if the social media profiles of the university are accessible
- 7. Verify if the campus tour video is clear
- 8. Verify if proud alumni feature of the university are accessible
- 9. Verify if the chance of admission prediction page receives input correctly
- 10. Verify if the chance of admission prediction page gives accurate output
- 11. Verify if the course details table is clearly visible
- 12. Verify if the guide files are downloaded
- 13. Verify if the scholarship resources are accessible
- 14. Verify if the page is responsive
- 15. Verify if the page is suitable for all devices

8.2 USER ACCEPTANCE TESTING

Defect Analysis

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

·						
Resolution	Severity1	Severity2	Severity3	Severity4	Subtotal	
By Design	4	4	2	3	13	
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	18	14	13	26	77

Test Case Analysis

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

Section	TotalCases	Not Tested	Fail	Pass
Print Engine	2	0	0	2
Client Application	12	0	0	12
Security	1	0	0	1
Outsource Shipping	3	0	0	3
Exception Reporting	1	0	0	1
Final Report Output	4	0	0	4
Version Control	2	0	0	2

CHAPTER 9 RESULTS

9.1 PERFORMANCE METRICS

1. Hours worked: 50 hours

2. Sticking to Timelines: 100%

3. Consistency of the product : 75%

4. Efficiency of the product : 80%

5. Quality of the product: 85%

ADVANTAGES & DISADVANTAGES

ADVANTAGES:

- Avoids data redundancy and inconsistency.
- It is fast, efficient and reliable.
- It helps student for making decision for choosing a right college.
- Here the chance of occurrence of error is less when compared with the existing system.

DISADVANTAGES:

- Machine errors are unavoidable when occurred. (Hardware failure, network failure, others).
- Reach to geographically scattered student.
- Reducing time in activities
- Paperless admission with reduced man power
- Operational efficiency
- The predictions made are not 100% accurate but accurate to an acceptable value.

CONCLUSION

The project uses a Linear regressor to predict the output and a web application is built to make the UI more accessible and easy using various technologies such as python, React JS, HTML5, CSS, Flask, Scikit, Matplot, Numpy, Pandas, Seaborn and other libraries. After the deployment of the web application, it can be accessed from anywhere with internet connection. This project reduces the long hours of analysis to predict the eligibility of the admission to a rated university.

FUTURE SCOPE

The future scope of this project is very broad. Few of them are:

- This can be implemented in less time for proper admission process.
- This can be accessed anytime anywhere, since it is a web application provided only an internet connection.
- The user need not travel a long distance for the admission and his/her time is also saved as a result of this automated system.
- Develop a community consisting of faculty, alumni and aspirants to get to know about the university more

APPENDIX

SOURCE CODE

Landing Page:

```
App.css
```

```
.c1
img{
            margin-left:42%;
       }
       .c1{
            background-image:url(./img2.jpg);
            background-size:cover;
       }
            .c1 h1 {
                text-align: center;
                font-size: 300px;
                color: aliceblue;
                font-family: 'Lato', sans-serif;
                padding:7%;
            }
            .car{
                padding:3% 15% 15% 15%;
            }
            .t1{
                font-size:80px;
                text-align:center;
                padding:3%;
                font-family:'Times New Roman', Times, serif;
            }
            .campustour{
                padding:3%;
            }
            .t2{
            font-size: 25px;
            color: white;
            padding: 5%;
            background-color: rgb(30, 20, 20);
            font-family: 'Times New Roman', Times, serif;
            }
       @import url('https://fonts.googleapis.com/css2?family=Lato&display=swap');
       * {
            box-sizing: border-box;
            margin: 0;
```

```
padding: 0;
           font-family: 'Lato', sans-serif;
        .Admissions,
        .ebooks,
        .courses {
           display: flex;
           height: 90vh;
           align-items: center;
           justify-content: center;
           font-size: 3rem;
       }
       .si {
           background: rgb(30, 20, 20);
       .singeCol {
           max-width: 750px;
           margin: 0 auto;
         .social-media-icons-white a{
            font-size:2rem;
            padding:3%;
        }
App.js
import
'./App.css
             import i1 from './img1.png'
             import React from 'react';
             import Navbar from './components/Navbar';
             import '../node_modules/bootstrap/dist/css/bootstrap.min.css';
             import BootstrapCarouselComponent from './pages/BootstrapCarouselComponent'
             import { FontAwesomeIcon } from '@fortawesome/react-fontawesome'
             import { faFacebook,faTwitter,faInstagram,faLinkedin } from
              '@fortawesome/free-brands-svg-icons'
             function App() {
                 return (
                      <div><div className="c0">
                          <Navbar />
                          <div className="c1">
                              <img src={i1} width="20%" height="20%" alt="fireSpot"</pre>
             /><br></br>
```

<h1>HAVARD</h1>

</div>

```
<div className="campustour">
                <iframe width="1400" height="700"</pre>
src="https://www.youtube.com/embed/_86tHnzxF3Q"
                    title="YouTube video player" frameborder="0"
allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope;
picture-in-picture" allowfullscreen></iframe>
             </div>
            <div>
                <div className="t1"><h3> About
                    _____ </h3></div>
Harvard<br></br>
                <div className="t2">
                    Harvard University possesses the title of America's
oldest learning institution,
                    founded in 1636. At its inception, this university's name
was "New College," and its purpose was mainly
                    to educate clergy. In 1639, the school's name became
Harvard University,
                        so named for the Rev. John Harvard.
                   With some 17,000 Puritans migrating to New England by
1636,
                        Harvard was founded in anticipation of the need for
training clergy for the new commonwealth, a "church in the wilderness".
Harvard was established in 1636 by vote of the Great and General Court of the
Massachusetts Bay Colony. In 1638, the school received a printing p
                        ress—the only press at the time in what is now the
United States, until Harvard acquired a second in 1659
                On March 13, 1639, the college was renamed Harvard College
after clergyman John Harvard, a University of Cambridge
                alumnus who had willed the new school £779 pounds sterling
and his library of some 400 books</div>
            </div>
            <div className="car">
            <BootstrapCarouselComponent /> </div>
        </div>
            <div className="si">
            <div className="singleCol social-media-icons-white d-flex</pre>
justify-content-center">
                    <a href="https://www.facebook.com/Harvard/">
                <FontAwesomeIcon icon={faFacebook} />
                </a>
                    ⟨a
href="https://twitter.com/Harvard?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctw
gr%5Eauthor">
                    <FontAwesomeIcon icon={faTwitter} />
                </a>
                    <a href="https://www.instagram.com/harvard/?hl=en">
```

BootstrapCarouselComponent.js

```
import
React
from
"react";
           import { Carousel } from 'react-bootstrap';
           import i2 from './img3.jpg'
           import i3 from './img2.jpg'
           import i4 from './img1.jpg'
           import 'bootstrap/dist/css/bootstrap.min.css';
           import './Carousel.css';
           class BootstrapCarouselComponent extends React.Component {
               render() {
                   return (
                       <div>
                           <div className='container-fluid' >
                                <div className="row">
                                    <div className="col-sm-12">
                                        <center><b><h1>Testimonials</h1></b></center>
                                    </div>
                                </div>
                                <div className="row">
                                    <div className="col-12">
                                        <Carousel className="r">
                                            <Carousel.Item>
                                                <img
                                                    className="d-block w-100"
                                                    src={i2} height="500px" width="500px"
                                                    alt="First slide"
                                                <Carousel.Caption>
                                                    <h3>Peter</h3>
```

```
Everything I could have asked for.
Campus is easy to navigate and welcoming. Classes are collaborative and
professors have many opportunities outside of class for extra help and office
hours. Part of the social culture is studying so you are never choosing between
friends or academics. The teaching teams understand and value your passions
outside of academia and are very willing to work around
extracurricular activities.
                                    </Carousel.Caption>
                                </Carousel.Item>
                                <Carousel.Item>
                                    <img
                                        className="d-block w-100"
                                        src={i3} height="500px" width="500px"
                                        alt="Second slide"
                                    <Carousel.Caption>
                                        <h3>Angelina</h3>
                                        The opportunities are unmatched!
There are always amazing people and things
                                            to learn from. There are many ways
to get involved with a diverse array of things,
                                            and the people have been really kind
in my experience.
                                    </Carousel.Caption>
                                </Carousel.Item>
                                <Carousel.Item>
                                    <img
                                        className="d-block w-100"
                                        src={i4} width="500px" height="500px"
                                        alt="Third slide"
                                    />
                                    <Carousel.Caption>
                                        <h3>Harvey</h3>
                                        The opportunities are unmatched!
There are always amazing
                                            people and things to learn from.
There are many ways to get
                                            involved with a diverse array of
things, and the people have been really kind
                                            in my experience.
                                    </Carousel.Caption>
                                </Carousel.Item>
                            </Carousel>
                        </div>
                    </div>
                </div>
```

```
)
               };
           }
           export default BootstrapCarouselComponent;
Carousel.css
h1{
           font-family:'Times New Roman', Times, serif;
           font-size:80px;
       }
Navbar.css
.navbar
{
              background-color: black;
              height: 80px;
              width:80px;
              display: flex;
              justify-content: start;
              align-items: center;
              color:white;
          }
          .menu-bars {
              margin-left: 2rem;
              font-size: 2rem;
              padding:1% 10% 1% 1%;
              background: none;
          }
          .nav-menu {
              background-color: #060b26;
              width: 250px;
              height: 100vh;
              display: flex;
              justify-content: center;
              position: fixed;
              top: 0;
              left: -100%;
              transition: 850ms;
          }
              .nav-menu.active {
                  left: 0;
                  transition: 350ms;
              }
```

</div>

```
.nav-text {
    display: flex;
    justify-content: start;
    align-items: center;
    padding: 8px 0px 8px 16px;
    list-style: none;
    height: 60px;
}
    .nav-text a {
        text-decoration: none;
        color: #f5f5f5;
        font-size: 18px;
        width: 95%;
        height: 100%;
        display: flex;
        align-items: center;
        padding: 0 16px;
        border-radius: 4px;
        .nav-text a:hover {
            background-color: #1a83ff;
        }
.nav-menu-items {
    width: 100%;
.navbar-toggle {
    background-color: #060b26;
    width: 100%;
    height: 80px;
    display: flex;
    justify-content: start;
    align-items: center;
}
span {
    margin-left: 16px;
}
```

Navbar.js

```
import
React, {
useState
} from
'react';
    import * as FaIcons from 'react-icons/fa';
    import * as AiIcons from 'react-icons/ai';
```

```
import { Link } from 'react-router-dom';
import { SidebarData } from './SidebarData';
import './Navbar.css';
import { IconContext } from 'react-icons';
function Navbar() {
   const [sidebar, setSidebar] = useState(false);
   const showSidebar = () => setSidebar(!sidebar);
   return (
      <>
          <IconContext.Provider value={{ color: '#fff' }}>
             <div className='navbar'>
                 <Link to='#' className='menu-bars'>
                    <FaIcons.FaBars onClick={showSidebar} />
                 </Link>
             </div>
             <nav className={sidebar ? 'nav-menu active' : 'nav-menu'}>
                 <Link to='#' className='menu-bars'>
                           <AiIcons.AiOutlineClose />
                        </Link>
                    {SidebarData.map((item, index) => {
                        return (
                           <Link to={item.path}>
                                  {item.icon}
                                  <span>{item.title}</span>
                               </Link>
                           );
                    })}
                 </nav>
          </IconContext.Provider>
      </>
   );
}
export default Navbar;
```

SlideBarData.js

```
import PrepGuide from '../pages/PrepGuide';*/
export const SidebarData = [
   {
       title: 'Admissions',
        path: '/Admissions',
        cName: 'nav-text'
   },
    {
        title: 'Courses',
        path: '/courses',
        cName: 'nav-text'
    },
    {
        title: 'Prep Guide',
        path: '/PrepGuide',
        cName: 'nav-text'
   },
    {
        title: 'Scholarship',
        path: '/Scolarship',
        cName: 'nav-text'
   },
1;
```

index.html

<!DOCTYPE html>

```
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
     name="description"
     content="Web site created using create-react-app"
    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />
    <!--
     manifest.json provides metadata used when your web app is installed on a
     user's mobile device or desktop. See
https://developers.google.com/web/fundamentals/web-app-manifest/
    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
    <!--
     Notice the use of %PUBLIC_URL% in the tags above.
```

```
It will be replaced with the URL of the `public` folder during the build.
     Only files inside the `public` folder can be referenced from the HTML.
     Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC_URL%/favicon.ico" will
     work correctly both with client-side routing and a non-root public URL.
     Learn how to configure a non-root public URL by running `npm run build`.
    <title>React App</title>
  </head>
  <body>
    <noscript>You need to enable JavaScript to run this app./noscript>
    <div id="root"></div>
    <!--
     This HTML file is a template.
     If you open it directly in the browser, you will see an empty page.
     You can add webfonts, meta tags, or analytics to this file.
     The build step will place the bundled scripts into the <body> tag.
     To begin the development, run `npm start` or `yarn start`.
     To create a production bundle, use `npm run build` or `yarn build`.
  </body>
</html>
```

Index.css

```
body
{
    margin: 0;
    font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', 'Roboto', 'Oxygen',
        'Ubuntu', 'Cantarell', 'Fira Sans', 'Droid Sans', 'Helvetica Neue',
        sans-serif;
    -webkit-font-smoothing: antialiased;
    -moz-osx-font-smoothing: grayscale;
}
code {
    font-family: source-code-pro, Menlo, Monaco, Consolas, 'Courier New',
        monospace;
}
```

Index.js

```
ImportReactfrom
'react';
    import ReactDOM from 'react-dom/client';
    import './index.css';
    import App from './App';
    import { BrowserRouter as Router,Routes,Route } from "react-router-dom";
```

```
import Admissions from './pages/Admissions';
import Courses from './pages/courses';
import PrepGuide from './pages/PrepGuide';
import Scolarship from './pages/Scolarship';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
        <Router>
            <Routes>
                <Route path="/" element={<App />} />
                <Route path="Scolarship" element={<Scolarship />} />
                <Route path="Admissions" element={<Admissions />} />
                <Route path="courses" element={<Courses />} />
                <Route path="PrepGuide" element={<PrepGuide />} />
            </Routes>
        </Router>
  </React.StrictMode>
);
```

GITHUB LINK

https://github.com/IBM-EPBL/IBM-Project-16755-1659621483

PROJECT DEMO LINK

https://www.youtube.com/watch?v=L5ikJuiF_JQ