Project Design Phase-I
Proposed Solution

Date	22 September 2022
Team ID	PNT2022TMID15504
Project Name	Project - University Admit Eligibility Predictor
Maximum Marks	2 Marks

Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Our objective is to predict whether a student will get an admit or not. So it means that this is a binary classification problem.
2.	Idea / Solution description	The scope of this project is a web application that allows users to enter their academic data and get predictions of their chances of admissions in the university tier of their choosing. It also provides an analysis based on the data set used that shows how the different parameters affect chances of admissions. A Database will also be implemented for the system so that students can save their data and review and edit it as they progress with the most recent predictions being saved with their profile.
3.	Novelty / Uniqueness	predict the probability of a student to get admission into those preferred colleges and suggest a list of colleges in a sequence of the probability of getting admission to that specific college.
4.	Social Impact / Customer Satisfaction	The primary objective is to develop a system to solve the problems the international students are facing while applying for universities in the USA. We will be developing a Student Admission Predictor (SAP) system which will help the students to predict the chances of their application being selected for a particular university for which they wish to apply based on their profile. Also, the system will provide a recommendation of universities to the student to which the

		student has a high possibility of getting admission. Multiple machine learning classification algorithms were evaluated to develop the system. Finally, K Nearest Neighbors and Decision Tree algorithms were used as they were found to be the best fit for the system developed. Also, we will be creating a simple user interface which will help the users to input the data related to the student profile and get the predicted result for the application based on the profile as output. This research will thus eventually help students save the extra amount of time and money they have to spend at the education consultancy firms. And also it will help them to limit their number of applications to a small number by providing them the suggestion of the universities where they have the best chance of securing admission thus saving more money on the application fees.
5.	Business Model (Revenue Model)	Students are going to pay to get predictions from the website.
6.	Scalability of the Solution	It can deliver the same throughput for varying levels of load on the internal applications, hardware, and database. Lesser response time