Project Design Phase-I
Proposed Solution Template

Date	6 November 2022
Team ID	PNT2022TMID20988
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

S.No	Parameter	Description
1.	Problem Statement	Students are constantly worried about getting admission into their dream university, so inorder to overcome this we are implementing this project to fulfill these objectives. This project will help students to shortlist the universities they are eligible based on their profile. They will also have a clear idea about which universities they can aid after successful filteration. The project also creates direct contact between the students and the universities to avoid intermediates.
2.	Idea description	This project plans to compute the chances of acceptance into a university based on the student's profile. The key aspects considered for shortlisting are: i) CGPA of undergraduate degree ii) GRE & TOEFL/IELTS scores iii) SOP & LOR iv) Related work or research experience v) Extra-curricular activities Inorder to find the chances of acceptance, various ML models such as Logistic Regression, Multiple Linear Regression, Decision Tree and Random Forest will be used. Analysis of the model along with parameters such as precision, accuracy and recall should also be provided.
3.	Novelty / Uniqueness	The intention of this project is to develop a hybrid model based on deep learning and also need to provide better accuracy than the previous existing models.The web application will also provide a feedback report to the students about the areas the student should show improvement.

4.	Customer Satisfaction and Social Impact	Students find it very difficult to shortlist the universities because of the different requirements and pre-requisites of a university. The application cost for applying to a particular university is also different which also is a tricky part. A university eligibility and admission predictor will be very helpful for the students to determine the probability of acceptance into that particular university. This system also does not charge any payment of fees for the profile analysis of the student and to give the shortlist of universities.
5.	Business Model	By placing advertisements of different universities in the web app, we can generate revenue from the application through advertisements. In future, a separate premium plan can be created where the students can make video calls through online platform and interact with the professors and alumni of the university.
6.	Scalability of the Solution	In future we can also have a chat space where the students can clarify their doubts with the professors, alumni and current students instantly. In order to deal with huge volumes of data in the future, cloud based storages(IBM Cloud, AWS, Microsoft Azure) and NoSQL databases(MongoDB, Redis) could be used instead of the traditional RDBMS storage. Distributed big data processing techniques could be initiated if the number of users using the website increase exponentially in the future.