Project Design Phase-I
Proposed Solution Template

Team ID	PNT2022TMID12575
Project Name	University Admit Eligibility Predictor
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Students often worry about their chances of getting into college. The goal of this project is to help profile shortlisted college students. Predicted results give them a good idea of their likelihood of getting into a particular college. This analysis is also useful for students preparing or planning to prepare for a better image must. It also aims to connect students and universities directly, without intermediaries.
2.	Idea / Solution description	This project aims to calculate the likelihood of admission to a particular graduate school after evaluating a candidate's profile. The main attributes considered in decision making are: 1) GRE & TOEFL Scores 2) Undergraduate CGPA 3) SOP & LOR 4) Corporate Work Experience/Research Experience Extracurricular Activities 5) Extra-curriculars Determine Acceptance Rate, Logistic Regression, Multi linear, Use a variety of ML models such as regression, decision trees, and random forests, and use performance metrics such as accuracy score, precision, and retrieval to evaluate which model has the best accuracy.
3.	Novelty / Uniqueness	• We plan to develop a new hybrid model based on deep learning that is more accurate than existing traditional ML models. • Students often have trouble narrowing down which colleges to apply to.

4.	Social Impact / Customer Satisfaction	- Students often struggle to narrow down which colleges to apply to and wonder if their profile matches the requirements of a particular college. - In addition, the cost of applying to universities is very high, and it is important for students to narrow down their universities based on their profile. - University Admit Eligibility Predictor Systems are very useful in determining the likelihood that a student will be admitted to a particular college. - The system reduces reliance on expensive educational consultancies to analyze candidate profiles and determine which colleges to apply to.
5.	Business Model (Revenue Model)	- Advertisements of different universities could be placed in the web-app to generate revenue through ads. - In the future, a separate premium plan could be created where the students can directly interact with the professors and alumni of the university through video calls.
6.	Scalability of the Solution	- Future updates will allow candidates, faculty, students, and alumni to interact and have a chat area where candidates can get their questions answered quickly. - Cloud-based storage (IBM Cloud, AWS, GCP, AZURE) and NoSQL databases (MongoDB, Redis, etc.) to be able to handle large amounts of data (both applicant and university data) in the future.) can use traditional RDBMS storage - Alternatively, if the number of users using your website grows exponentially over time, you can consider distributed big data processing techniques.