Project Design Phase-I

Proposed Solution Template

Date	17 October 2022
Team ID	PNT2022TMID40813
Project Name	University Admit Eligibility Predictor
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	We have seen a lot of students pursue their education away from their native countries. Generally as the students don't have much of an idea about the procedures, requirements and details of the universities, they seek help from the education consultancy firms to help them successfully secure the admission in the universities which are best suitable for their profiles. For this, they have to invest huge amount of money as consultancy fees. The aim of this research is to develop a system using machine learning algorithm.
2.	Idea / Solution description	Provide the availability of the preferred course when the student enters the necessary details that the website asks for. The prediction of the course is done based on TNEA rank. The key attributes that will be considered for making the decisions are: • TNEA Rank • Cut Off • Community Rank • Community • Gender For determining the course of the college, we will be using various ML classification models. which model gives the highest accuracy with the help of performance metrics like accuracy-score, precision and recall.

3.	Novelty / Uniqueness	Through this software Students can know what course they might get in Anna University just by entering their Ranks, cut-off marks, community to which they belong and community marks. Students need not face the difficulty of consulting any third party.
4.	Social Impact / Customer Satisfaction	- Students often feel difficult in shortlisting the universities to apply which they tend to wonder if their profile matches the requirement of a certain university. - People do not waste their money and time approaching third parties to know the availability of their preferred course. - Through this software Students can know what course they might get in Anna University - This system reduces dependence on educational consultancies, who charge loads of money to analyse a candidate's Ranks, cut-off marks, community to which they belong and community marks
5.	Scalability of the Solution	- Right now we have used the data set of the last five years. The scalability of this software increases when datasets of previous years are added. - A future update could have chat space where candidates, faculties, current students of the university and alumni can interact and candidates can get their doubts resolved instantly.