

Project Design Phase-I Proposed Solution Template

Date	02 October 2022
Team ID	PNT2022TMID46587
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)	Students are often worried about their chances of admission to university. The aim of this project is to help students in shortlisting universities with their profiles. The predicted output gives them a fair idea about their admission chances in a particular university. This analysis should also help students who are currently preparing or will be preparing to get a better idea. It also aims to make a direct connection between the students and the universities and avoid any intermediaries.
2.	Idea / Solution description	<p>This project intends to calculate the probability of acceptance in a particular grad-school after assessing the candidate's profile.</p> <p>The key attributes that will be considered for making the decisions are:</p> <ul style="list-style-type: none"> i) GRE & TOEFL Scores ii) Undergrad CGPA iii) SOP & LOR iv) Corporate Work Experience / Research Experience v) Extracurriculars <p>For determining the % of acceptance, we will be using various ML models such as Logistic Regression, Multiple Linear Regression, Decision Tree & Random Forest and assess which model gives the highest accuracy with the help of performance metrics like accuracy-score, precision and recall.</p>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ● We intend to develop a novel deep learning-based hybrid model that has a better accuracy than the existing traditional ML models.