**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 05 October 2022 |
| Team ID | PNT2022TMID06653 |
| Project Name | Project - University Admit Eligibility Predictor |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | 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 |
|  | Idea / Solution description | This project intends to calculate the probability of acceptance in a particular grad-school after assessing the candidate’s profile.  The key attributes that will be considered for making the decisions are:  i) GRE & TOEFL Scores  ii) Undergrad CGPA  iii) SOP & LOR  iv) Corporate Work Experience /  Research Experience  v) Extra-curriculars  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. |
|  | Novelty / Uniqueness | The web-app will provide feedback on  the parameters where the candidate is lacking  so that he can improve on those areas. |
|  | Social Impact / Customer Satisfaction | 1. 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.   2. Moreover, the cost of applying to a university is extremely high making it critical that students shortlist universities based on their profile.  3. A university admission prediction system is quite useful for students to determine their chances of acceptance to a specific university. |
|  | Business Model (Revenue Model) | 1.Advertisements of different universities could be placed in the web-app to generate revenue through ads.  2.A separate premium plan could be created where the students can directly interact with the professors and alumni of the university through video calls. |
|  | Scalability of the Solution | 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. |