PROJECT DESIGN PHASE I PROPOSED SOLUTION

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| DATE | 24 September 2022 | |
| TEAM ID | PNT2022TMID32424 |
| PROJECT NAME | University Admit Eligibility Prediction | |
| 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** |
| 1. | Problem Statement (Problem to be solved) | With the increase in the number of graduates who  wish to pursue their education,it becomes more challenging to get admission to the students dream university.To design a college prediction system and to provide a probabilistic insight into college,administration for overall rating,cut -offs of colleges,admission intake and preference of students.Also,it helps students avoid spending time and money on counsellor and stressful research related to finding a suitable college. |
| 2. | Idea / Solution description | Using this software,the entrance seat allotment become easier and can be implemented using system.Based on test attributes like SOP,TOEFL,GRE,CGPA,LOR,etc shortlisting all possible universities depend upon the scores they got. |
| 3. | Novelty / Uniqueness | A method of predicting potential university rating to admit the students by machine learning algorithms as comparing performance between linear regression model, Decision tree model and logistic regression model.The experimental setup interms of dateset, features, correlations and data visualization. By using linear regression model split out data into training and testing set. The traning set will have features and labels on which our model would be trained .Once our model is trained, we will use trained model and run it on test set and predic output. |

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| 4. | Social Impact / Customer Satisfaction | The possibility of creating an algorithm that can apply to student graduate admission.As it contain smallest number of errors the goal of this is to create software by using machine learning,especially using logistic regression in future to help students can know how possibility of admission in universities. |
| 5. | Future scope | This model is to manage all process of admission in simple and efficient. |
| 6. | Scalability of the Solution | This model can be implemented in less time for proper admission process.This model can be accessed anytime anywhere,since it is web application provided only an internet connection.The user had not need to travel a long distance for admission and time is also saved as result of automated system,This model can be expanded to include more prediction for more accurate detection.Training model with even more attributes will increase efficiency further. |