**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 24 September 2022 |
| Team ID | PNT2022TMID37882 |
| 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** |
| 1. | Problem Statement (Problem to be solved) | * The User is a Student he needs a way to computerization of Entrance seat allotment and this **machine learning model helps to filter the Eligible students to enter a university admission using CS program**. |
| 2. | Idea / Solution description | * **Linear Regression Model** it is an algorithm based on the supervised learning of computers, it does the role of regression model predictive goal value. * And also **Ridge regression , Random Forest** Methods are used to the parameter estimates in the hope of reducing uncertainty, increasing the **accuracy score above 80%** * A GUI was developed to make the program, from a non-technical perspective, usable and user Friendly. |
| 3. | Novelty / Uniqueness | * The main goal of the system is **to automate the process** carried out in the organization with improved performance and realize the vision of paperless admission. * The system shall allow the user’s details to be stored for the next time they return to the website. If the user chooses to take a new evaluation, the most recent inputs as well as prediction shall replace any previous data. |
| 4. | Social Impact / Customer Satisfaction | The Social impacts of the system are listed below:   * Manage large number of student details. * Manage all details of student who registered for the course * Create student accounts and maintain the data is effectively. * View all the details of the students. * Reduce the work load in interview the students for selection. * Activities like updating, modification, deletion of records should be easier. * Easy Accessible and User friendly. |
| 5. | Business Model (Revenue Model) | * In the Business point of view paperless work and **man power saving**, fully **upgradable computerization process**, easy admission and **profitable approach** to right candidate for select a right universities/colleges.   And Useful for those who want **to study abroad** in MBA or other courses. |
| 6. | Scalability of the Solution | The system shall provide the user access to the AI predictor, wherein the user will be able to fill in a form with their academic transcripts data (GRE score, TOEFL Score, CGPA, SOP Score, LOR Score, Research experience), choose the tier of university they wish to apply to (1-5(top level)) and then get a prediction of their chances of admissions to that level university based on the mapping between their requirements and the student’s results. |