**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID39850 |
| 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) | The system shall provide the administrator access to all the records in the database on a “read-only” basis. Following Wese:    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. |
|  | Idea / Solution description | 1.Reliability  The system shall be completely operational all hours of the day unless system failure or upgradation work is to be performed • Down time after a failure shall not exceed 24 hours  2.Usability  No training is required to use the website. • The form, home, about, FAQ and analysis pages load up within 10 seconds. • The results from the predictor should not take more than 30 seconds.  3.Performance  The system can support any number of users at a time. • The mean time to view a web page over a 56Kbps modem connection shall not exceed 5 seconds. |
|  | Novelty / Uniqueness | 1.Predictive Coding and Novelty:  The main idea of predictive coding is that the brain constantly uses an inner model to produce predictions about the sensory information that it is likely to encourage  2.Veridical Perception:  Repetition suppression and the novelty N2 are neural responses reliably elicited by stimulus novelty manipulations.  3.Novelty Manipulations:  In the next sections, we will examine contextual, associative and spatial novelty manipulations. The studies suggest that these novelty manipulations consistently elicit the surprise response and produce memory-boosting effects. |
|  | Social Impact / Customer Satisfaction | 1.Sampling and data collection:  The questionnaire was based on two sections. The ﬁrstsection was related to demographic characteristics ofthe respondents which comprised of four close endedquestions.  2.Corporate social responsibility:  Considered a universally recognized tool which benefits the food and beverage stakeholders, shareholders and communities Customers evaluate not only the food and service quality during their dining but also the CSR practices which they experience.  3.Hypotheses testing:  Structure Equation Modeling technique with maximum likelihood estimation was employed to test the hypothesized relationship. After following first step of Anderson and Gerbing approach of statistical analysis, eventually we carried out second step and performed path analysis by the structural model. |
|  | Business Model (Revenue Model) |  |
|  | Scalability of the Solution | 1.Visual Analysis:  University Selection Probability for student to get an admit in the university before applying to Student Selection Rejects New Applicants Models Admits Past Years Data Pre-Processing Techniques Machine Learning Models Predictions New Applicants Models Rejects Admits.  2.Demonstration:  Future Enhancement Creating the model with additional parameters such as Work Experience, Technical Papers Written, and Content of Letter of Recommendation etc. Creating a model based on the graph of admitted vs enrolled students of previous years to predict.  3.Assumptions:  The classification algorithm has to very optimize in performing the prediction As soon asthe user click predict the database the search algorithm is assumed to bring the requiredand accurate results. The user interface should be simple and clean that allows soothingeffect to the user.  4.MySQL:    For backend of our project we used MySQL as a database server it is an open-source relationaldatabase management system as it provide some good feature like Multiple storageengines, allowing one to choose the one that is most effective for each table in the application.  5. First recall :  It helps students to make right decisions for choosing their college. In which students can register with their personal as well as marks details to prediction the admission in colleges and the administrator can allot the seats for the students. Administrator can add the college details and the batch details.  6. Admission methodmethod:  The college admission predictor uses historical colleges cut-off students admission data for predicting the most probable colleges. The system analyzes student academic merits, background, and college admission criteria. Based on that, it predicts the likelihood of a university college that a student may enter. |

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