Project Design Phase-I

Proposed Solution

Date	25 September 2022
Domain	Applied Data Science
Project Name	University Admit Eligibility Predictor
Maximum Marks 2 Marks	

Proposed Solution Template:

SNO	Parameter	Description
1.)	Problem Statement (Problem to be solved)	The main objective of the model is to predict university admission accurately and efficiently inorder to help students in selecting college
2.)	Idea / Solution description	Using a machine learning model, university admission for college is done. The input to the algorithm is rows of feature vector like marks or gpa , cut off , category etc. Then a decision tree and random forest is used to predict the eligibility of the student for that college / university.
3.)	Novelty / Uniqueness	Unlike other models here, comparison of decision tree classifier with logistic regression and random forest classifier for various figures of merit is performed for better efficiency of prediction.
4.)	Social Impact / Customer Satisfaction	➢ Ease for students ➢ Cost effective ➢ Safe and efficient
5.)	Business Model (Revenue Model)	The model used is where students will be able to use features of the app for free. If the application used with more students, it is planned to enhance for subscription for some features
6.)	Scalability of the Solution	As the dataset size is huge, the noise associated with the data is also huge and the preprocessing to be done is also high in this case. The output depends on the input given to the model. The response of the data is purely dependent on the data which is collected from the previous records.