LITERATURE SURVEY

EXISTING PROBLEM:

Previously, much research has been done in this field and they use Naïve-Bayes algorithm. Here, Naïve-Bayes algorithm is used for calculating the possibility of successfully getting into the university the user wishes. But here the major drawback of this is that they didn't consider the various other factors which will increase the chances of getting admission to a university like GRE scores, IELTS/TOEFL scores, etc. Bayesian Networks Algorithms are used to create a network for evaluating the eligibility criteria based on data submitted by foreign students. Thus, it helps aspiring students to have a better vision of eligibility criteria for specific colleges by comparing the data already submitted by various students who successfully got into the university. But this model only shows the comparisons of data from students who successfully got admission but not data from the students who got rejected. Hence, this method will is not very accurate and will not gove a clear vision to students.

PROPOSED SOLUTION:

These various drawbacks can be solved by using classification and regression algorithms as they have emerged as the best for prediction features. Linear Regression/ KNN Classification / Random Forest Regressor can be used as the Machine Learning model for this model. XG Boost model also can be used as it performs best for small to medium-sized datasets. This will address the problems and limitations of the existing model which is the aim of this proposed solution. The defects from the past model have been gathered as the requirements for this system based on the user feedback.

Following are the objectives of Proposed System:

- Less time-consuming.
- Efficiency in operating and administering.
- Eco- Friendly and paperless admission.
- Usage of less manpower.
- Access to students all around the world.