UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

LITERATURE SURVEY

1.Graduate Admission Prediction Using Machine Learning

This paper helps in predicting the eligibility of Indian students getting admission in the best university based on their Test attributes like GRE,TOEFL,LOR,CGPA etc. according to their scores the possibilities of chance of admission is calculated.

In India every year lacks students getting the graduation degree and willing to join post-graduation in other countries. Newly graduate students usually are not knowledgeable of the requirements and the procedures of the postgraduate admission and might spend a considerable amount of money to get advice from consultancy organizations to help them identify their admission chances. Human consultants and calculations might be biased and inaccurate.

2.College Admission Prediction using Ensemble Machine Learning Models

This paper aims to build a model that can help students to pick the right universities based on their profiles. This can be judged across a wide variety of domains that include MS (international), M.Tech (India) and MBA (India and International). For the accurate predictions the method suggested in this paper was focused on training a machine learning model in order to provide results. The dataset contains information on the student profile and the university details with a field detailing if the admission was positive or

not. Various algorithms have been used in this paper i.e. Ensemble Machine Learning and the predictions have been compared using key performance indicators (KPIs). The model performing the best is then used to evaluate the dependent variable i.e. The chances of admission to a university. The chances of admission is a variable ranging from 0 to 1 which equates to the predicted probability of successful acceptance to a university. The paper also aim to create a portal which filters and then provides a list of universities that fall into the profile's acceptance range.

3.Prediction for University Admission using Machine Learning

Numerous programs and studies have been carried out on topics relating to university admission using many machine learning models which help the students in the admission process to their desired universities. Previous research done in this area used Naive Bayes algorithm which will evaluate the success probability of student application into a respective university but the main drawback is previous papers didn't consider all the factors which will contribute in the student admission process like TOEFL/IELTS, SOP, LOR and under graduate score but this paper considers all the factors. Bayesian Networks Algorithms have been used to create a decision support network for evaluating the application submitted by foreign students of the university. This model was developed to forecast the progress of prospective students by comparing the score of students currently studying at university. The model thus predicted whether the aspiring student should be admitted to university on the basis of various scores of students. Since the comparisons are made only with students who got admission into the universities but not with students who got their admission rejected, this method will not be that accurate.

4.Graduate Admission Prediction Using Machine Learning Techniques

In India every year, lakhs of students get the graduation degree and are willing to join post-graduation in other countries. Newly graduate students usually are not knowledgeable of the requirements and the procedures of the postgraduate admission and might spend a considerable amount of money to get advice from consultancy organizations to help them identify their admission chances. Human consultants and calculations might be biased and inaccurate. This paper helps in predicting the eligibility of Indian students getting admission in the best university based on their Test attributes like GRE,TOEFL,LOR,CGPA etc. according to their scores the possibilities of chance of admission is calculated. This paper deals with developing four Regression Models which are multiple Linear Regression, Random forest Regression, Multiple Linear Regression using Dimensionality reduction and Random forest Regression using Dimensionality reduction to find the accuracy of those models. Out of those, a high accuracy model Linear Regression using Dimensionality Reduction is used.

5.Graduate University Admission Predictor using Machine Learning

This paper is focusing on only the students who want to do their Masters in America. Students who want to do masters in America have to write GRE (Graduate Records Examination) and TOEFL (Test of English as a Foreign Language). Once they have attended the exams they have to prepare their SOP (statement of purpose) and LOR(letter of recommendation) which are one of the crucial factors they have to consider. These LOR and SOP plays a vital role if the student was looking for any scholarship. While there are a good number of predictors and consultancies that guide a student, they aren't always reliable since a decision is made on the basis of select past

admissions. So, with increasing demand for further education, one must not be confused about where to apply. Then the students have to choose the universities they want to study or apply to, we cannot apply to all the universities that will lead to a lot of application fees. Here comes the problem that the student doesn't know to which university he might get admission. There are some online blogs which help in these matters but they are not that much accurate and don't consider all the factors and there are some consultancy offices which will take lot of our money and time and sometimes they will give some false information.Main goal is to develop a model which will tell the students their chance of admission into a respective university. This model should consider all the crucial factors which play a vital role in the student admission process and should have high accuracy.

REFERENCES:

1.https://www.researchgate.net/publication/348433004_Graduate_Admission_Prediction_Using_Machine_Learning

2.https://www.irjet.net/archives/V8/i12/IRJET-V8I1266.pdf

3.https://www.ijrte.org/wp-content/uploads/papers/v8i6/F9043038620.pdf

4.http://www.ijarset.com/upload/2021/july/07-mail2vkk-07.PDF

5.https://www.ijmtst.com/volume6/issue12/92.IJMTST0612246.pdf