Team ID : PNT2022TMID17997 **Project Name:** University Admit Eligibility Predictor

Title	Author	Year	Abstract	Merits	Demerits	Model
Prediction Probability of Getting an Admission into a University using Machine Learning	A.Sivasangari, V.Shivani, Y.Bindhu, D.Deepa, R Vignesh.	2021	The students have difficulty finding a fitting institution to pursue higher studies. So, the aim of this research is to develop a model that predict the percentage of chances into the university accurately. This model predict whether the student profile is suitable or not for a particular college. The proposed model uses cat boost algorithm is giving highest accuracy.	This model provides the analysis of scores versus chance of prediction based on historical data which is used to predict whether the student's profile is suitable or not.	-Performance is low.	Cat boost algorithm.
Using Data Mining Techniques to Predict Student Performance to Support Decision Making in University Admission Systems	Hanan Abdullah Mengash.	2020	For an aspiring graduate student, shortlisting the universities to apply to is a difficult problem. A university admission prediction system is quite useful for students to determine their chances of acceptance to a specific university. The paper uses stacked ensemble model that predicts the chances of admit of a student to a particular university has been proposed.	It support higher education institutions in making good decisions in its admissions process by predicting applicants' academic performance before admitting them.	-Data mining requires large databases. -It is expensive.	Decision Trees, Support Vector Machines, and Naïve Bayes
A University Admission Prediction System using Stacked Ensemble Learning	Sashank Sridhar, Siddartha Mootha, Santosh Kolagati.	2020	An admissions system based on valid and reliable admissions criteria is very important to select candidates likely to perform well academically at institutions of higher education. This study focuses on ways to support universities in admissions decision making using data mining techniques to predict applicants' academic performance at university. It was found that the Artificial Neural Network technique has an accuracy rate.	An effective method has been proposed to predict the chances of a student being admitted to a specific university. They have compared the various machine learning algorithms to the proposed methods. It provides the best performance with an accuracy of 91%.	-It is not suitable for predicting the accuracy when student has the applicant's statement of purpose essay and recommendation letters. It works only when the student has scores.	Stacked ensemble model
Prediction of Graduate Admission using Multiple Supervised Machine Learning Models	Zain Bitar, Amjed Al-Mousa.	2020	In response to the highly competitive job market at present times, an increased interest in graduate studies has arisen. The goal approach of this paper is to implement and compare several supervised predictive analysis methods on a labeled dataset based on real applications from the prestigious university .The methods are Regression, classification, and Ensemble methods are all the supervised methods that are to be employed for prediction.	Ensemble techniques are implemented to improve accuracy especially in terms of weak or unstable classifiers. The accuracy is 0.925.	-Complicated architecture.	SVM (support vector machines), Logistic Regression, Linear Regression, Decision Trees, and Random Forest.
Prediction of the Admission Lines of College Entrance Examination based on machine learning	Zhenru Wang, Yijie Shi.	2020	Accurate prediction to college entrance examination(CEE) results is very important for the candidates to fill in the application and the relevant analysis of the CEE.. In this paper, machine learning methods are used to carry out the college admission lines of research and prediction. Specially, in this paper Adaboost algorithm is used to study and forecast, which belongs to ensemble learning.	Used strong classifier constructed by several weak classifiers. So it has a good effect on complex data. It provides the best performance with an accuracy of 90%.	-The establishment of the model is not very perfect because of the in-exhaustive data.	Adaboost algorithm which belongs to ensemble learning.