LITERATURE SURVEY

Team ID	PNT2022TMID52898
Project Name	University Admit Eligibility Predictor

S.No.	Title	Conference/Journal	Author	Inference
1.	"Graduate admission chance prediction using deep neural network."	*2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)*, pp. 259-262. IEEE, 2020.	Goni, Md Omaer Faruq, Abdul Matin, Tonmoy Hasan, Md Abu Ismail Siddique, Oishi Jyoti, and Fahim MD Sifnatul Hasnain.	In this paper a deep learning based approach was suggested and the dataset used was from Kaggle. Min max normalisation was performed on the dataset to bring all features to a common scale. It was found out that compared to other ML based methods , DNN performed better.
2.	**"**Deep Learning in diverse Computing and Network Applications Student Admission Predictor using Deep Learning"	International Conference on Innovative Computing & Communications (ICICC) 2020, Available at SSRN: https://ssrn.com/abstract=3562976 or http://dx.doi.org/10.2139/ssrn.3562976	Nandal P	In this paper different deep learning algorithms were employed and their performance was analysed. They found that deep neural network algorithm works the best compared to other algorithms.
3.	"University Admissions Predictor Using Logistic Regression,"	*2021 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE)*, 2021, pp. 46-51, doi: 10.1109/ICCIKE51210.2021.9410717.	H. Fathiya and L. Sadath	This paper was developed by collecting real student data. The data is stored in a form of usable training data for the logistic regression classifier developed to make admissions predictions. They collected the data from the Internet using a Selenium web scraper. The paper discusses the methods, implementation, and challenges faced in the process.
4.	**"**A University admission prediction system using stacked Ensemble learning"	*2020 Advanced Computing and Communication Technologies for High Performance Applications (ACCTHPA)*, 2020, pp. 162-167, doi: 10.1109/ACCTHPA49271.2020.9213205.	S. Sridhar, S. Mootha and S. Kolagati	In this paper a stacked ensemble model is used with two level of neural networks with level 0 serving as the layer with 5 sub-model neural networks of the same architecture feeding into the next layer of neural network that predicts the output. Various classification algorithms including Logistic regression, SVM, KNN,

				Decision trees and regular neural networks are all compared with the ensemble model and the latter outperforms the remaining.
5.	"Prediction of Graduate Admission using Multiple Supervised Machine Learning Models"	" *2020 SoutheastCon*, 2020, pp. 1-6, doi: 10.1109/SoutheastCon44009.2020.9249747.	Z. Bitar and A. Al-Mousa	In this paper Regression, Classification and Ensemble learning are employed. Linear, Support Vector, Decision tree and Random Forest regression were compared using the R^2 coefficient and Decision tree was found to be the most accurate regressor. Similarly for classifiers Logistic regression, Support vector classifier and Decision trees are used and Decision trees and SVC were found to be equally accurate and with high accuracy. The Ensemble methods employed are voting classifiers, Bagging, AdaBoost and Stacking on common sub-models.