Literature Survey

s.no	Paper Name	Methodology	Advantage	Disadvantage
1	College Admission Predictor, Journal of Network Communications and Emerging Technologies (JNCET) Volume 8, Issue 4, Annam Mallikharjuna Roa et al (April 2018)	Computerization of the entrance seat allotment process.	The total time for the entrance allotment becomes lower and the allotment process becomes faster. It helps students to make right decisions for choosing their college	Since so many parts of the admissions system are integrated into one another if an error occurs on one page ,it may be a display error,This slows down the process and can be frustrating if the apparent cause of a problem is not obvious at first
2	A Comparison of Regression Models for Prediction of Graduate Admissions - Mohan S Acharya et al (2018)	The dataset is evaluated using Linear Regression, Support Vector Regression, Decision Tree and Random Forest. and model with the best performance is then chosen.	MSE and R2 Scores are tabulated for all the models making comparison easier.	Exceptional conditions haven't been considered. The given dataset has more linear relations and therefore favors linear regression, more complex dataset has to be tested.
3	Graduate Admission Prediction Using Machine Learning	This paper addresses machine learning models to predict the chance of a student to get accepted- KNN,MLP, RF	Large dataset provides clear view of result and it is found that multilayer perceptron model surpasses other ML models in terms of accuracy	Multicollinearity is a huge issue that exists whenever a variable is highly correlated with one or more variables in a multiple regression equation,this issue exists in this situation
4	University Admissions Predictor - Aanchal Thakur - (November 2020)	A machine learning based system built on a linear regression model studies abroad	Provides extension points along with framework for implementation.	System latency can be minimized. The dataset used can be expanded to provide a more conclusive study.
5	Predicting student university admission	Usage of regression to	Provides 87.5% accuracy for the	The dataset has only been taken for UCLA, it

	using logistic regression - Sharan Kumar Paratala Rajagopal (June 2020)	predict university admit based on numerous factors with comparison of regression	mentioned task. Robust and categorical approach for prediction.	can be further improved by taking a wider dataset. Presented work is for Graduate Studies with only few parameters, parameters can be increased.
6	Engineering & Technology Admission Analysis and Prediction, Mr Sachine Bhoite, May 2020	To build a predictive model we used Logistic Regression, KNN, Decision Tree Classifier, RF Classifier, Naive Bayes & SVM then compare the results of cross validation with and without feature engineering	Random Forest and Decision Tree classifiers give the highest accuracy in terms of predictions	Logistic Regression and SVM both have low accuracy as well as low access to data in terms of training the data
7	College Admission Prediction using Ensemble Machine Learning Models - Vandit Manish Jain, Rihaan Satia (2021)	The paper uses ensemble methods to make predictions.	The best methods can now be utilized to provide accurate results. Highest accuracy is 82%.	Results show us that the highest accuracy is achieved through the linear regression model and the decision tree has the lowest accuracy