

**Ideation Phase**  
**Literature survey**

Date	9 October 2022
Team ID	PNT2022TMID04288
Project Name	University Admit Eligibility Predictor

S.NO	YEAR	RESEARCH PAPER	AUTHOR	INFERENCE	ACCURACY
1	2020	Research on Prediction of College Students' Performance Based on Support Vector Machine (SVM)	Peng Wang , Yinshan Jia	A college course performance prediction model was created using a support vector machine, and the optimal parameters and a stable and trustworthy model were obtained using cross-validation techniques.	73.6%.
2	2020	Graduate Admission Prediction Using Machine Learning	Sara Aljasmj, Ali Bou Nassif, Ismail Shahin, Ashraf Elnagar	In this study, machine learning algorithms are used to forecast a student's likelihood of admission to a master's degree. Students will benefit from knowing in advance whether they stand a chance of being admitted. Multiple linear regression, k-nearest neighbor, random forest, and multilayer perceptron are the machine learning models.	94%
3	2020	A University Admission Prediction System using Stacked Ensemble Learning	Sashank Sridhar,S iddhartha Mootha, Santosh Kolagati	By contrasting it with existing supervised algorithms like Decision Trees, Random Forest, K-Nearest Neighbor, Naive Bayes Classifier, Logistic Regression, Support Vector Machine (SVM), Linear Discriminant Analysis, and Quadratic Discriminant Analysis, the proposed ensemble neural network is assessed. The accuracy of Ensemble NN is the highest.	87.26%
4	2022	Engineering & Technology Admission Analysis and Prediction	Sachin Bhimrao Bhoite, Ajit More	When employing machine learning approaches to create and construct predictive models, feature engineering is a crucial component. The outcomes have improved substantially since feature engineering.	85%

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5	2016	Prediction of the admission lines of college entrance examination based on machine learning	Zhenru Wang, Yijie Shi	AdaBoost, also known as Adaptive Boosting, is a machine learning method used in an ensemble setting. Decision Stumps is another name for these trees.	82.4%.
6	2021	Introduction to Modeling Tabular Data: Predicting a student's chance of gaining admission using Machine Learning	Jia Qing	This study use machine learning (ML) methods to forecast a student's likelihood of admission to US colleges using the Graduate Admissions dataset (UCLA Admissions Dataset). Multiple Linear Regression was shown to be the most accurate model for forecasting a student's chances of admission.	91%
7	2020	PG Admission Predictor	P Nandal	By using multiple classification models based on the study, he created the student admission predictor to assist the students in predicting their odds of being admitted. He determined that the Gaussian Naive Bayes method and Deep Neural Network both performed well with average accuracy.	92.1%
8	2021	College Admission Prediction using Ensemble Machine Learning Models	Vandit Manish Jain, Rihaan Satia	This study uses machine learning, the linear regression method, decision trees, and random forests to create a model that can assist students in selecting the best universities based on their profiles.	89.4%