# University Admit Eligibility Predictor

| S.NO | PAPER TITLE AND AUTHORS | PAPER CONCEPT | ADVANTAGE | DISADVANTAGE |
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| 1 | **Topic:**Graduate Admission Analysis and Prediction. **Author:**Suneel Patel | The project presents an expert system, called PAAS, in which logistic Regression is used to predict the potential of Junior college students to pass the national exam for entering the higher education institutes. They had used a predictive modelling to assess admission policies and standards based on features like GPA score, ACT score, residency race, etc. | students who are finding difficulty in finding the right university for them. It is very important that a candidate should apply to colleges that he/she has a good chance of getting into, instead of applying to colleges that they may never get into. This will help in reduction of cost as students will be applying to only those universities thatthey are highly likely to get into. | The major setback of the project is that they that project was not taking into consideration the other exams apart from the ACT score, some candidates must be having some other entry level exams and they also need to include in the system. |
| 2 | **Topic:**College Admission Prediction using Ensemble Machine Learning Models. **Author's:**Vandit Manish Jain, RihaanSatia | This paper aims to build a model that can help students to pick the rightuniversities based on their profiles. We can judge across a wide variety of domainsthatincludeMS (international), MTech (India) and MBA (India and International). For the accuratepredictions we plan 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. | .It is very important that a candidate should apply to colleges that he/she has a good chance of getting into, instead of applying to colleges that they may never get into. This will help in reduction of cost.The prepared models work to a satisfactory level of accuracy and may be of great assistance to such people. This is a project with good future scope, especially for students of our age group who want to pursue their higher education in their dream college. | Most of them don't have proper resources, prior knowledge and are not cautious, which in turn creates a lot of problems as applying to the wrong university/college, which further wastes their time, money and energy. |

| 3 | **Topic:**A Machine Learning Approach for Graduate Admission Prediction. **Author's:** Amal AlGhamdi, Amal Barsheed, HanadiAlMshjary, Hanan AlGhamdi. | This paper outlines the possibilities of creating an algorithm that can apply to Student Graduate Admission. It appears there that relationship in between all attributes and one attribute during learning. To verify this, we implemented the algorithm using a Linear Regression Model, Decision Tree Model and Logistic Regression Model to see how to use all requirements for studying the postgraduate to predict the chance of admission in different values. | The logistic regression model was the algorithm that achieved the best classification prediction and the most accurate to predict the best of admission. As it contains the smallest number of errors (7.2% RSME) than other algorithms. So the goal of this paper is to create a software by using machine learning, especially using Logistic Regression in the future to help students can know how the possibility of postgraduate admission in universities to help graduates in recognizing and targeting universities that have suited their requirements. | Logistic regression model mostly does not match MSE because the main reason not to use the MSE as the cost function for logistic regression is that we don't want cost function to be non-convex. If the cost function is not convex, then it isn't straightforward for the function to converge optimally . |