Team ID-IBM-Project-26388-1660025833

Project Name-University Admit Eligibility Predictor

Project Design Phase-I

Proposed Solution for University Admit Eligibility Predictor

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	Most of the students who apply and sit for the admission test do not have the guarantee of admission opportunities in the university because of the limited number of seats. Students must overcome the barrier of admission test and qualify in the examination to secure their seats. Such students must go through a long time of mental stress or illness before or after the admission test. But with the aid of modern technologies and strategies e.g. educational data mining, this predictor can reduce the problem and make students aware of it early in the admission test. If any student can know the pre-examination and post-examination status of a particular university for undergraduate admission, it will be a great benefit for him/her to take the necessary steps to improve the admission test's performance so that he/she can get a chance at the desired university. Hence, we want to help the students to judge and improve themselves before or after the admission test using this system.
2.	Idea / Solution description	University Admit Eligibility Predictor is an AI based application that asks for the users to input their academic transcripts data and calculates their chances of admission into the University Tier that they selected. It also provides an analysis of the data and shows how chances of admissions can depend on various factors. It can help students to improve their preparation to get a chance at their desired university. Many factors are responsible for the failure or success in an admission test. Educational data mining helps us to analyze and extract information from these factors. Here, we apply several machine learning algorithms on a collected dataset to estimate the probability of getting admission to the university after attending the university tests. We also evaluate and compare the performance levels of those

		algorithms based on two different evaluation metrics – accuracy and test scores.
3.	Novelty / Uniqueness	We at University Admit Eligibility Predictor are here to provide a solution to a problem that not only do we provide a single platform that documents all the requirements as well as the different tiers of universities, but our website also incorporates an AI Model that was built after considering many leading Machine Learning Algorithms, to provide the most accurate prediction of how much of a chance of admissions does a student's current grades and other academic transcripts allow them in the tier of universities of their choice
4.	Social Impact / Customer Satisfaction	The primary responsibilities of the system are: Provide customers access to the prediction model. Provide answers to most common FAQs regarding PG Admissions abroad. Provide administrator access to all records. Provide analysis of how the various academic factors affect university admission. Other desired features of the system: Maintaining a profile for each user. Password protection for each account.
5.	Business Model (Revenue Model)	Initially good amount of time was spent on understanding the problem statement by understanding the concerns of students regarding the current application process, the objectives of the research were defined in this process. Maintaining a profile for each user and Password protection for each account. A Database will also be implemented for the system so that students can save their data and review and edit it as they progress with the most recent predictions being saved with their profile. Multiple machine learning models were developed to predict the likelihood of success of the student's application in a particular university. The user interface was developed to allow the users to access these models.
6.	Scalability of the Solution	The scope of this project is a web application that allows users to enter their academic data and get predictions of their chances of admissions in the university tier of their choosing. It also provides them answers to the most common FAQ's that arise when thinking of admissions abroad for Post Graduate studies. It also provides an analysis based on the data set used that shows how the different parameters affect chances of admissions. A Database will also be implemented for the system so that students can save their data and review and edit it as they progress with the most recent predictions being saved with their profile.