# APPLIED DATA SCIENCE

# UNIVERSITY ADMIT ELIGIBILITY PREDICTOR

# LITERATURE SURVEY

1. **Graduate Admission Chance Prediction Using Deep Neural Network**.

   Every year many students apply for graduate admission to different universities. There are some web applications as well as some consultancy services for suggestions. This application will help the students for predicting the admissions, but they have limitations because humans are incapable of considering all the conditions. The deep neural network (DNN) to predict the chance of getting admitted to a university according to the students portfolio. It has shown the most promising result and the proposed method has also outperformed all the existing methods. The dataset, normalization, deep neural network, performance metric are the parameters used for this prediction. The different range of data, the normalization process has been used in the DNN to resize all of them to a common scale that will speed up the prediction. It has been successfully experimented that a DNN model can identify complex data pattern more accurately than other machine learning methods

2. **University Admission Prediction Using Machine Learning.**

   In the present growing world, students are searching for advantageous information. The Quantity of understudies applying for graduate examinations and experience and among individuals. We are addressing AI

Model to anticipate the opportunity of the student to get admission in the universities. The machine learning models are linear relapse, decision tree regression. Method description : Data collection, preprocessing like missing data inconsistent data, feature extraction, model selection, train and test data, evaluation model like TOEFL score, CGPA. The primary objective of this work is to make a machine learning model which could be utilized by students who need to seek after their schooling and UG degree's. Many AI algorithms were used for this prediction.

3. **Graduate Admission Prediction Using Machine Learning Techniques.**

In India every year lot of students getting the students graduation degree and willing to join post graduation. Newly graduating students are not acknowledgement of the requirements and the procedure of the admission. Human consultant and calculation might be bias and inaccurate. This paper will help predicting the eligibility of students getting admission in the best universities based on test attributes like GRE, TOEFL, CGPA etc,. Multiple linear regression, Random forest regression, Dimensionality reduction or the algorithms used for the predictions. The existing system compares the four machine learning algorithms on the basis of accuracy. The proposed system consist of four regression models, the algorithm with improved accuracy will act as a back-end for the users interface. Students admission problem is very important in educational institutions, this will assist students to know in advance if they have a chance to get accepted. Machine learning models were performed to predict the opportunity based on the data we have, we will

split out the data into training and testing sets. The whole process of training the model using features and known labels and later testing it to predict the output is called supervised learning.

4. **College Admission Prediction using Ensemble Machine Learning Models.**

The aim of this project – Literature survey is to students choose the right universities on this profile bases. For the accurate result prediction, we plan to training a machine learning model to provide results. The important part of Data set contains the Data of students profile details along with their grade marks etc. and universities details with field detailing. Prediction have been compared using key performance indicators(KPI). The following algorithms are used – Linear Regression Artificial Neural Network, Decision Trees, Random forests. Also we aim to create a portal. Which filters and then provides a list of Universities that fall into the profile's acceptance range.

5. **Predictive Models of Student College Commitment Decision Using Machine learning .**

There are many examples of the application of machine learning techniques to analyze data and other information in the context of educational settings. This area of study is generally known as "educational data mining" (EDM) and it is a recently emergent field with its own journals, conferences and research community. A subset of EDM research that focuses on analyzing data in order to allow institutions of higher education better clarity and predictability on the size of their student bodies is often known as enrollment management. Enrollment management is "an organizational concept and systematic
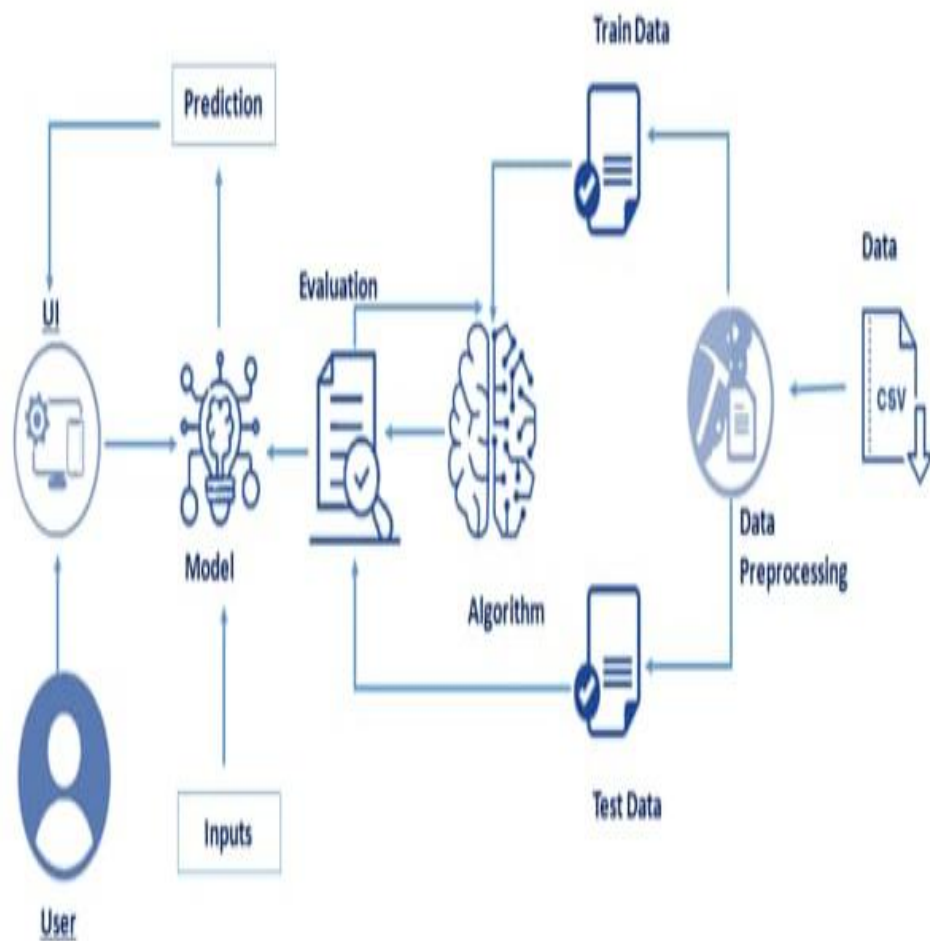
set of activities whose purpose is to exert influence over student enrollment" .There are many websites which purport to predict college admission from the perspective of an aspiring student.

6. **Prediction of Admission Process for Graduation Studies Using AI Algorithm.**

Bayesian Networks were utilized by to make a choice emotionally supportive network for assessing the application put together by global scholars in the college. This representation was intended to anticipate the exhibition of the hopeful scholars by contrasting them and the presentation of scholar at present concentrating in the college and had a comparative outlined throughout their application. Right now on the present understudy's profile the representation anticipated whether the hopeful understudy ought to be allowed admission to the college. Since the correlations were made distinctly with the scholars who were at that point approved in the college and the information of the scholars who are deprived of confirmation were excluded from the examination this representation end up being less effective because of the issue of class lopsidedness**.**

# PROBLEM STATEMENT

Students are often worried about their chances of admission to University. The aim of this project is to help students in Short listing universities with their profiles. The predicted output gives them a fair idea about their admission chances in a particular university. This analysis should also help students who are currently preparing or will be preparing to get a Better idea.

# SOLUTION

In the present world Many of them are demented to choose the colleges after their schooling and under graduate degree. Using University admission eligibility predictor students can login and enter all the required data to know the chance of getting admission in preferred university and college and the students those who are currently in schooling can also have an idea of their admission process. The prediction process is based on the cut-off and entrance exams conducted by individual universities and colleges using machine learning algorithm such as Linear regression and Deep Neural Network (DNN). If the students having same cut-off then the prediction will be based on marks scored by them and prediction process is based on first come first serve.