



# Kathir College of Engineering

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Wisdom Tree, Neelambur, Avinashi Road, Coimbatore-62

## **IBM COURSE – NALAIYATHIRAN**

**DOMAIN**

**APPLIED DATA SCIENCE**

**TEAM LEADER**

**GUNA SEKARAN G**

**TEAM MEMBERS**

**CHELLASAMY S**

**KARUPPASAMY S**

**SABARINATHAN K**

**USECASE**

**UNIVERSITY ADMIT ELIGIBILITY PREDICTOR**

**TEAM ID**

**PNT2022TMID42746**

**LITERATURE SURVEY**

S.NO	PAPER	AUTHOR	YEAR	METHOD AND ALGORITHM	ACCURACY/ PRECISION
1	Predicting the Post Graduate Admissions using Classification Techniques	Selvaprabu Jeganathan, Saravanan Parthasarathy and P. M. Ashok Kumar	2021	Potential graduate students will have a dilemma on identifying the universities for their post graduate admissions and on the other hand an average graduate student would be uncertain on getting post graduate admission in a reputed university based on their academic scores. In this study, we applied the classification techniques such as Logistic Regression, KNN Classification, Support Vector Classification, Naive Bayes Classification, Decision Tree Classification and Random Forest Classification on the given academic admission dataset	99%
2	A Recommender System for Predicting Students' Admission to a Graduate Program using Machine Learning Algorithms	El Guabassi, Inssaf and Bousalem, Zakaria and Marah, Rim and Qazdar, Aimad	2021	The first is to apply several Supervised Machine Learning algorithms namely Linear Regression, Support Vector Regression, Decision Tree Regression, and Random Forest Regression. The second purpose is to compare and evaluate algorithms used to create a predictive model based on various evaluation metrics. The last purpose is to determine the most important parameters that influence the chance of admission. The experimental results showed that the Random Forest Regression is the most suitable Machine Learning algorithm for predicting university admission	89%

<b>3</b>	<b>Prediction of University admission</b>	<b>Basu K</b>	<b>2020</b>	<p>He applied machine learning techniques to predict the decision of the students whether they will accept the admission offer. This helps the universities to identify the potential candidates who will accept the offer and the candidates who might reject the offer. Author applies several supervised learning methods and identified Logistic Regression classifier with good accuracy level.</p>	<b>77% to 78%</b>
<b>4</b>	<b>PG Admission Predictor</b>	<b>P Nandal</b>	<b>2020</b>	<p>He developed student admission predictor to help the students to foresee their chances of getting admission by implementing various classification models</p> <p>Based on the analysis He identified Deep Neural Network performed well with an average accuracy and secondly Gaussian Naïve Bayes algorithm</p>	<b>92.1%</b>
<b>5</b>	<b>Prediction for University Admission using Machine Learning</b>	<b>Chithra Apoorva D A, Malepati ChanduNath, Peta Rohith, Bindu Shree.S, Swaroop.S3</b>	<b>2020</b>	<p>Bayesian Networks Algorithm have been used to create a decision support network for evaluating the application submitted by foreign students of the university. This model was developed to forecast the progress of prospective students by comparing the score of students currently studying at university. The model thus predicted whether the aspiring student should be admitted to university on the basis of various scores of students. Since the comparison are made only with students who got admission into the universities but not with students who got their admission rejected so this method will not be that much accurate.</p>	<b>79%</b>