

# Literature Survey

**Team No** : 06  
**Team ID** : PNT2022TMID07958  
**College Name** :Adhiyamaan College of Engineering(Autonomous)  
**Department** :Computer Science and Engineering  
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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Prediction Probability of Getting an Admission into a University using Machine Learning.	The variable to be predicted is Chance of Admit. The steps involved are as cutoffs of universities changes year to year.	<ul style="list-style-type: none"> <li>Machine Learning algorithms</li> <li>prediction models</li> <li>Logistic Regression</li> <li>Support Vector Machine</li> </ul>	<ul style="list-style-type: none"> <li>Machine Learning</li> <li>artificial intelligence.</li> </ul>	Improves decision making and Increases efficiency but it was costly Implementation
2	Predicting student university admission using logistic regression	UCLA data set will be examined for predictor variables which contribute to the college admission process. Data cleansing will be performed to eliminate irrelevant duplicate.	<ul style="list-style-type: none"> <li>Classification algorithms.</li> <li>Logistic Regression</li> </ul>	<ul style="list-style-type: none"> <li>Machine Learning</li> <li>RS studio</li> </ul>	It is very fast at classifying unknown records but It constructs linear boundaries

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3	College Admission Prediction using Ensemble Machine Learning Models	The primitive step to building a model for our use case is choosing the right dataset. We chose a dataset which contains all the important attributes that would affect the chances of admit.	<ul style="list-style-type: none"> <li>• Linear Regression</li> <li>• Artificial Neural Networks</li> <li>• Decision Tree</li> <li>• Random Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Machine Learning</li> <li>• Artificial Neural Networks</li> </ul>	Improves endurance but the art of ensembling is hard to learn .
4	Graduate Admission Prediction Using Machine Learning Techniques	The algorithm with improved accuracy will act as a backend for the user interface	<ul style="list-style-type: none"> <li>• Regression model</li> <li>• Linear Regression</li> <li>• Decision Tree</li> <li>• Random Forest</li> <li>• Support Vector Machine</li> </ul>	<ul style="list-style-type: none"> <li>• Machine Learning</li> <li>• Artificial Neutral Networks</li> </ul>	It has relatively more memory but is not suitable for large data sets

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5	Graduate Admission Chance Prediction Using Deep Neural Network	To complete the study, the graduate admission dataset has been splitted into training dataset .Data normalization has been performed to accelerate the training process of the DNN model	<ul style="list-style-type: none"> <li>• Linear Regression</li> <li>• Logistic Regression</li> <li>• Decision Tree</li> </ul>	<ul style="list-style-type: none"> <li>• Machine Learning</li> <li>• Deep Neural Network</li> </ul>	Improves endurance but the art of ensembling is hard to learn
6	Graduate Admission Prediction Using Machine Learning	Purpose of the work is to calculate the performance of various decision tree algorithms and compares their performances.	<ul style="list-style-type: none"> <li>• Linear Regression</li> <li>• SVM</li> <li>• Decision Tree</li> <li>• Random Forest</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple Linear Regression</li> <li>• Knearest Neighbor</li> <li>• Random Forest</li> <li>• Multi Layer Perception</li> </ul>	CKD of a patient is predicted successfully with an acceptable ratio 100%. It is seen in the powerful classifier for this dataset.

**THANK YOU**