Literature Survey

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S.No	TITLE	PROPOSED WORK	TOOLS USED/ ALGORITHM	TECHNOLOGY	ADVANTAGES/ DISADVANTAGES
1	Machine learning algorithm's accuracy in predicting kidney disease progression.	Kidney disease progression have been established in nephrology. However,their accuracy have been consistent.	• Machine Learning algorithms • prediction models • CKD progression.	• Machine Learning • artificial intelligence.	ML Algorithms can be extracted meaningful terms from Big-Data, several problems in clinical practice.2
2	Chronic Kidney Disease Prediction using Machine Learning Methods	Data covered in CKD progression. This work suggests a new workflow including data pre-processing,missing values handling features.	• Statistical analysis • XGB-classifier • classification algorithms.	• Machine Learning	Given models were optimized by hyperparameter tuning from a genetic algorithm.

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3	Chronic Kidney Disease Prediction using Machine Learning Models.	The paper tries to propose a datamining frameworks for knowledge discovery on the CKD disease from multiple sources.	• Decision tree • Machine learning algorithms. • Random Forests • Support vector Machine.	• Machine Learning	This shows that the CKD of a person will be predicted using this classifier technologies.
4	A Deep Prediction of Chronic Kidney Disease by Employing Machine Learning Method	Study intends to establish efficacious process to identify chronic kidney diseases[CKD] as early and accurately as possible.	• Decision tree • Extreme Gradient Boosting(XGB) • Gradient Boosting(GB) • Adaboost • Random Forests • K-Nearest Neigh bors	• Machine Learning • Artificial Neutral Networks	The ensemble method (voting classifier) is also used by altogether marching of all classifiers.

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5	Applying Machine Learning Technologies for Predicting the risk of Chronic Kidney Disease	Obtaining essential information from medical data bases by combining machine learning and statistical analysis intelligently.	• Decision Tree • Statistical Classifier • Classification tree analysis	• Machine Learning • Data Science	The accuracy of the data framing in this technology will be validated using classifiers.
6	Chronic Kidney disease prediction by using different decision Tree techniques	Purpose of the work is to calculate the performance of various decision tree algorithms and compares their performances.	• Decisionstump • HoeffdingTree • CTC • J48graft • LMT • Randomforest • REPTree	• Machine Learning • Artificial Intelligence	CKD of a patient is predicted successfully with an acceptable ratio 100%. It is seen in the powerful classifier for this dataset.