ABSTRACT

Chronic kidney disease (CKD) is a dangerous ailment that can last a person's entire life and is caused by either kidney malignancy or decreased kidney functioning. It is feasible to halt or slow the progression of this chronic disease to an end-stage wherein dialysis or surgical intervention is the only method to preserve a patient's life. Earlier detection and appropriate therapy can increase the likelihood of this happening. Throughout this research, the potential of several different machine learning approaches for providing an early diagnosis of CKD has been investigated. There has been a significant amount of research conducted on this topic. Nevertheless, by bolstering our approach by making use of predictive modeling. Therefore, in our approach. It investigate the link that exists between data factors as well as the characteristics of the target class. The project uses Machine Learning techniques to predict whether the patient has a Chronic Kidney Disease based on the characteristics for determining the health of the patient. These features or characteristics closely relate to identify and predict whether the patient falls under the category of the disease being positive or negative. The mathematical approach depends on the type of data and the occurrence and the relation between the data. In this Project all major data mining techniques are used to predict the patient has Chronic Disease or not using Machine Learning. The proposed work reveals with the Random Forest Classification for Chronic Kidney Disease, Dataset among all classifiers like Adboost Classifier ,Gradient Boosting Classifier.

LIST OF FIGURES

LIST OF TABLES