**Heart Disease Prediction using Machine Learning Techniques**

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**Abstract –** Heart Disease is one of the primary basis of death worldwide over the span of the past few decades.It associates many risk factors in heart disease and a need of the early diagnosis in achieve prompt management of the disease.Several machine learning and data mining techniques ae used to analyse complex data to predict heart disease.Several supervised learning algorithms as Naive Bayes,Decision Tree,K-nearest neighbour and random forest algorithms are used to predict the heart disease.

Heart Disease prediction depends on various attributes and the data corresponding to that attributes are trained and tested using machine learning algorithms.The algorithm which gives the best accuracy will be used to predict the heart disease basing upon the data given by the user.The data which is required is taken from the user.The algorithm which gives the high accuracy in training will be used.The data is provied to that algorithm and the heart disease prediction will be done by that machine learning algorithm.The obtained results are displayed to the user.

**Keywords –** Machine Learning,sklearn,Decision Tree,Random Forest,Naive Bayes,K-Nearest Neighbour

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