ABSTRACT

In this modern world, stress is the natural and inevitable part of life. This can lead to severe heart diseases. In fact, studies shows that it has become the leading cause of death in India. We proposed this using Machine Learning because it has been shown to beeffective in assisting in making decision and predictions from the largequantity of data produced by the healthcare industry.

For experimental validation, we use the well known Cleave land dataset whichis collected from UCI machine learning repository. The software which we used for implementing is Pycharm. PyCharm is a dedicated Python Integrated Development Environment (IDE) providing a wide range of essential tools for Python developers, tightly integrated to create a convenient environment for productive Python, web, and data science development. Here we use different methods to detect heart disease such as K Neighbour Classifier, Support Vector Classifier, Decision tree Classifier and Random Forest Classifier. By using this, the rate of death percentage is reduced. It is used for clinical studies and here we can check whether the appointment and doctor is available in the particular hospital. In simple words, it is actually a website which can predict whether the person is suffering from heart disease or not by the data which is given by the userand compares with the dataset using machine learning and gives the result. Byknowing the result, the person can take the precautionary steps and be in safer zone. The main objective of this research project is to predict the heart disease of aPatient using Machine learning algorithm.