DENGUE DISEASE DETECTION

ABSTRACT:

The aim of this project is to build a predictive model and detect dengue disease. In this project, we propose to develop a machine learning model to predict Dengue disease.

Dengue fever is a mosquito-borne disease caused by the dengue Virus. It is a life-threatening disease lots of people died due to dengue because its symptoms are not detected at the early stages many persons thought that it was a normal fever or headache so that they ignore it which cause there are in dangerous situations and worst case they lose their life. Knowing that most of the world's population living in risk areas, in order to diagnose and treat the disease, high skilled experts and human resources are needed. However, in some cases, human error potentially may occur. Therefore, a new method of automated dengue detection is developed. For that white blood cell classification and classified the dengue as infected or not.

In this project, we are using Machine Learning. Machine Learning is used to improve from experience without being explicitly programmed. We will take various machine learning classifiers ranging from simple classifiers, like Decision Tree, Naive Bayes, Model Tree, to complex algorithms such as Support Vector Machines, Neural Networks, Gene Expression Programming, Genetic Programming, and ensemble classifiers. The algorithm giving the highest prediction accuracy will be considered for the development of the Dengue Prediction Tool.

By this project, we detect the dengue disease with the help of a dataset and saves the life of persons.

TEAM MEMBERS:

B.Hari Chandana-16191A0507
Patil Lakshminarayanamma-16191A0521
Sana Babu Reddy-17195A0501

PROJECT GUIDE:

T. Niranjan Babu M.Tech