CHATBOT FOR DISEASE PREDICTION AND TREATMENT RECOMMENDATION USING MACHINE LEARNING

Hospitals are the most widely used means by which a sick person gets medical check-ups, disease diagnosis and treatment recommendation. Nowadays, people are less aware about their health. In their busy life, they forget to take suitable measures to maintain their health. People give no importance to health and find it time consuming to undergo check-ups at hospitals. The proposed system is to create an alternative to this conventional method of visiting a hospital and making an appointment with a doctor to get diagnosis. In the proposed system, a medical chatbot is built to be a conversational agent that helps users to discuss about their health issues and based on the symptoms provided by them chatbot returns the diagnosis. The main objective of the proposed system is to have the importance of health in life reach out to people and encourage people to look after their health by making chatbot available to all. Chatbot acts as a user application. The user of this application can specify their symptoms to chatbot and in turn, chatbot will specify the health measures to be taken. General information about the symptoms and diseases are available in the dataset and thus the chatbot can provide information about disease and treatment to users. After analyzing the symptoms of different users, it finally predicts the disease to the user & provides with a link where details about the treatment is visible.

How it is related to project?

We aim to develop a chatbot which help the users to discuss about their health issues. Users chat with the chatbot just as they talk to ~~the~~ a humans being. Through a question answer session the user will be able to know their health condition. Users can provide the symptoms they are suffering from to the chatbot and by analyzing all these symptoms chatbot predicts weather the user is suffering from COVID-19. If the user is diagnosed with COVID-19 chatbot connects the user with medical authorities.