

Heart Disease Prediction

ABSTRACT

It might have happened so many times that you or someone yours need doctors help immediately, but they are not available due to some reason. The Heart Disease Prediction application is an end user support and online consultation project. This disease attacks a person so instantly that it hardly gets any time to get treated with. So diagnosing patients correctly on timely basis is the most challenging task for the medical fraternity. A wrong diagnosis by the hospital leads to earn a bad name and losing reputation. At the same time treatment of the said disease is quite high and not affordable by most of the patients particularly in India.

EXISTING SYSTEM

Data mining has already established as a novel field for exploring hidden patterns in the huge datasets. Medical science is another field where large amount of data is generated using different clinical reports and other patient symptoms. Data mining can also be used heavily for the same purpose in medical datasets also. These explored hidden patterns in medical datasets can be used for clinical diagnosis. However, medical datasets are widely dispersed, heterogeneous, and huge in nature. These datasets need to be organized and integrated with the hospital management systems.

DRAWBACKS

- The system is not fully automated; it needs data from user for full diagnosis.

PROPOSED SYSTEM

We propose a web application that allows users to get instant guidance on their heart disease through an intelligent system online. The application is fed with various details and the heart disease associated with those details. The application allows user to share their heart related issues. It then processes user specific details to check for various illness that could be associated with it. Here we use some intelligent data mining techniques to guess the most accurate illness that could be associated with patient's details. Based on result, system automatically shows the result specific doctors for further treatment. The system allows user to view doctor's details. The system can be use in case of emergency.

ADVANTAGES

- User can search for doctor's help at any point of time.
- User can talk about their Heart Disease and get instant diagnosis.
- Doctors get more clients online.
- Very useful in case of emergency.

Modules:

The system comprises of 2 major modules as follows:

- Admin
 - Add Training Data
 - Add Doctor Details
 - View User Details
 - View Feedback
 - View Doc Details
 - View Training Data
- User
 - Register (With Details like Age, Sex, etc.)
 - Check Heart (By providing Details like
 - System will accordingly view Doctor to consult.
 - Give Feedback
 - View Doctor

System Requirements:

Software Components:

- Operating System : Windows Xp, Windows 7(ultimate, enterprise)
- Query Language : Sql 2005
- IDE : Visual studio 2008

Hardware Components:

- Processor : Pentium - III
- Hard Disk : 5 GB
- Memory : 1GB RAM