Disease Prediction System

Submitted as Project Proposal

BACHELOR

IN

COMPUTER ENGINEERING

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Abstract:

In our everyday life, we go over numerous individuals who are experiencing some sort of disease. Prediction of disease is an integral part of treatment. In this project, the disease is accurately predicted by looking at the symptoms of the patient where the patient can input his/her symptom and the system will predict the disease patient is suffering from.
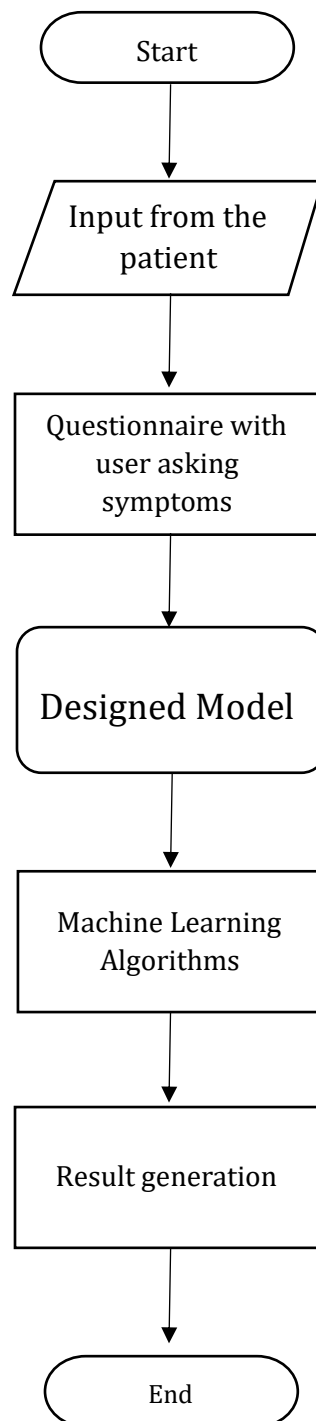
Problem Statement:

Cost of diseases and strategies to decrease it is one of the most important problems. In this project, we will try to use a predictive system to predict which other diseases a patient is susceptible to. The fundamental target of our project is to make the user interface a part of the front end and connect it with ML models. There is a need to study and make a framework that will make it simple for an end user to anticipate the constant sicknesses.

Features:

- This system takes the symptoms from users and predicts the most accurate diseases accordingly.
- We will try to cover all the common diseases.
- Authentic information will be provided including information about WHO Information.
- All major diseases of Pakistan are covered such as headaches, heart disease, etc.
- We will try to implement a personality/diseases quiz for those people who're not sure about what diseases they are suffering from.

Flowchart:

Start

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Input from the patient

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Questionnaire with user asking symptoms

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Designed Model

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Machine Learning Algorithms

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Result generation

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End

Applications:

- Living in a place away from hospitals and medical aid, it is often difficult for some people in rural areas to diagnose the disease. So the system can help those people by predicting disease quite easily.
- Patients will be able to diagnose themselves without paying the costly fees of doctors.
- By this we are implementing digital twin by using AI which can be beneficial in the long run as it could be further updated for various applications.

References:

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