

# **VCARE- Online Disease Prediction**

## **ABSTRACT**

In recent days it is hard for everyone due to covid-19 people are afraid to go hospitals or to consult a doctor. Hence, people are less likely to visit a doctor these days since they have to go out of their homes and visit the doctor. The doctor then might suggest another specialist depending on the severity and the type of the disease.

Hence, a more accessible method is required for people to get checked if they have a specific disease. In India, especially, there has been a surge of internet usage in recent times and a lot more people now have access to smartphones and other devices through which they can access the internet easily.

Therefore, we will be creating a system that helps the people know what kind of disease they might have instead of directly using search engines which could generally give out wrong data due to inappropriate searches of symptoms by people.

This application will assess the information given by the user by asking specific questions and their severity of their situation then predict what disease they might have and also suggest best doctor's available for curing those diseases and help the patient.

## **EXISTING SYSTEM**

Most of the people tend to search on search engines like Google to find out what disease they might have. This could be effective, but sometimes, the search engine might show a different conclusion since the severity of some symptoms is not mentioned by the user. Therefore, this outcome could be inaccurate, it could show something very severe or minor, both of which could be harmful for the user and might cause him/her to panic.

## **PROPOSED SYSTEM**

The proposed V Care Online Disease Prediction system would help a lot more people self-diagnose so that they can take appropriate steps to counter the situations. For example, once the application gives an output mentioning a disease, the user might directly contact a specialist if needed instead of going to a general physician. In later versions, we could also use this data to make this system better and also help the people get directions to the nearest doctor/specialist

## **SYSTEM MODULES**

### **Administrator**

This module overall manages the web application. They have rights to view the doctor and patient details. They have right to add or remove a doctor by looking on their details. They will accept the request by the doctor if he want to medicate a person. Also, they will manage the complaints, review by users and doctors.

### **User**

User will register their name and their details in this app via registration page. They can sign in the login page on successful registration. Also, they can get appointment from a best doctor on giving the symptoms on the patient registration page. The user has right to edit and view his/her profile details and also the doctor appointment status and history of the appointments.

User can add their symptoms and based on the symptoms in the database, the disease will be predicted. Also, one user can get appointment to doctor based on the reviews and department near to the patient location.

### **Doctor**

Doctor will register their name and their details in this app via registration page. They can sign in the login page on successful registration. Also, they can get appointment details for a day and can accept or decline the request so the patient will be assigned to new doctor.

The doctor can see the history of their consultations. Also, doctor can update the symptoms and request the senior doctors or admin to approve it and also, they can provide the prescription details if the disease is not severe.

### **Guest**

Guest will be having the provision to see the symptoms of his/her diseases without registration. Guest will be having limitations as they cannot see the recommendations of doctors, no video consultation with doctors and no appointments for health check-ups and so all.

### **Instant video consultation**

User can consult a doctor based on severity of disease. Here patient can have instant video call with doctor for their diseases. Here there will an option to get video call or chat with doctor .

## **Health Check-ups**

User can plan a full body check-up annually and take appointment for it. Based on user preferences one can select the type of check-ups to opts like e-reports within 24 hrs, home check-up, follow up with a doctor. For pregnant women, they can plan monthly check-ups for the period. This will provide the report of check-ups and can be accessed and saved for future reference.

## **Software Resource Requirements**

1. Windows XP/Vista/7/8/10, Mac OS or Linux
2. MySQL
3. HTML 5
4. JavaScript
5. PHP 5.5
6. Apache Web Server