

## MEDIC ASSIST

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### ABSTRACT

Data mining is a new powerful technology which is of high interest in the computer world. Medic Assist is a web application designed for diagnosing the disease based on user inputs and tracking the progress of the treatment through the medical database of the user. Normally users are not aware of their symptoms regarding their disease. For small medical symptoms, users have to go personally to the hospital for the check-up which is more time consuming and sometimes they may ignore these symptoms without consulting the doctor because of their daily busy schedule. This System also enables and guides the user to find the appropriate hospital location nearby them, according to the symptoms provided by the user.

**Keywords: Data mining, Diagnosis, Health prediction.**

### INTRODUCTION

Sometimes the users may want to get a health check or when they need doctors to

help immediately, but they are not available for some reason. In this paper, we propose the system allows users to get an instant diagnosis about their health. The System works with the clinical data which is used to predict the disease with the help of symptoms provided by the users. A user checks their health by giving symptoms to the system. Here we use the data mining techniques to find the accurate disease that could be associated with the user's symptoms. Users also can search the doctor's details in the system at any time. In the doctor module when the doctor login to the web application can view his user/patient details and their reports. Admin module manages the details of the system and they can add new disease details with the type and symptoms into the database. Data mining algorithm works based on the name of disease and symptoms are stored in the database. Admin can also view the details of the users and disease and can add doctor's details. This System will provide proper guidance for the patient who needs a medical emergency immediately.

## OBJECTIVES

- Aimed to build a web application that can be used to get instant check the user's health with the given data.
- To design a system that can be used easily for the users. It is user friendly for all kind of users

## EXISTING SYSTEM

In the existing system web, medical assistance applications are available only for particular users that are majorly provided by the private sectors. There are no sites guide the users with the full-fledged details about the medical diagnosis. Very few web applications use the available clinical data for prediction purposes and even if they do, they are restricted by the association rules

## PROPOSED SYSTEM

In a Proposed system is designed to solve problems affecting the existing system in use. Here we made certain improvements in the diagnosis level and changes have been made by adding the exact location of hospitals accordingly to the symptoms of users. It is designed to use intelligent data mining techniques to guess the most accurate disease based on the patient's symptoms. It also consists of a doctor address, contacts along with the

feedback and admin dashboard for the system operations.

## MODULES

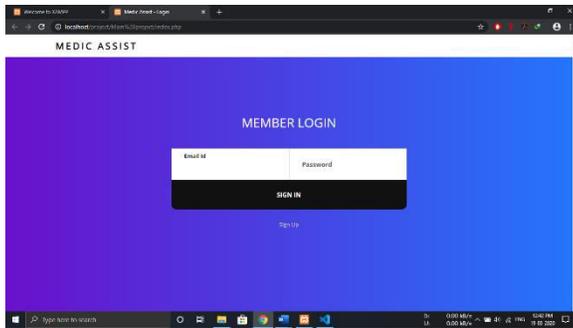
Medic assist system modules are listed below

- My profile
- Search Doctor
- Contact
- Diagnosis
- Patient Details
- Notification
- Add Doctor
- Add Disease
- Manage Users
- View Doctor
- View Disease
- View Feedback

## MODULE DESCRIPTION

### Login

Medic Assist System having a login page to entering into the web page, the patient can access the patient module by login to the system using his Id and password. Doctors and admin can also use the same login page for accessing the system, it will login and redirect to the specific page based on their role. login page represented in **figure 1**.



**Figure 1- Login Page**  
**Registration**

If the Patient is a new user, the user will enter his details to register and the user will have user Id and password through which the user can login to the system.

### **My profile**

The patient can view his details given with the health reports.

### **Search Doctor**

Users can search for a doctor by specifying name, address or type at any time using this system.

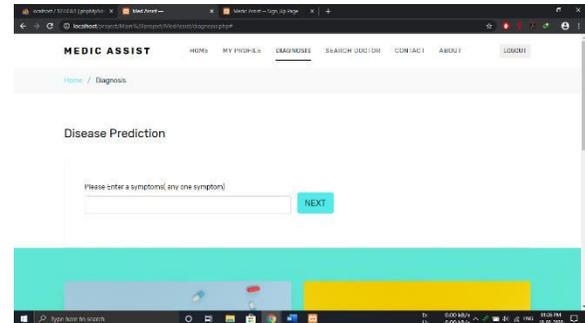
### **Contact**

User will give feedback/queries will be reported to the admin.

### **Diagnosis**

In a diagnosis module, diagnosing the disease based on user inputs and tracking the progress of the treatment through the medical

database of the user. The diagnosis module is represented in **figure 2**.



**Figure 2- Diagnosis**

### **Patient Details**

A doctor can view the patient's details and health diagnosis report.

### **Notification**

A doctor will get notification of how many people had accessed the system and what all are the diseases predicted by the system.

### **Add Doctor**

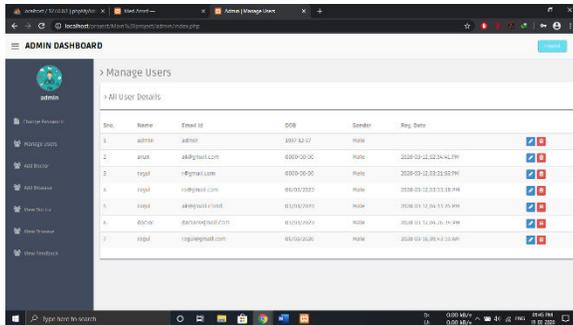
Admin can add new doctor details into the database.

### **Add Disease**

Admin can add new disease details with the symptoms into the database.

### Manage Users

Admin can view various patient details who had accessed the system and also can manage their details. View patient is represented in **figure 3**.



**Figure 3- Manage Users**

### View Doctor

Admin can view and manage the doctor's details. updating of a doctor can be done here.

### View Disease

Admin can view and manage the disease details. updating of disease and symptoms can be done here.

### View Feedback

Admin can view feedback/queries provided by various users.

### ADVANTAGES

- The main advantage of the system is User can getan instant diagnosis.

- Users can search for doctor's help at any point in time.
- Doctors get more clients online.

### DISADVANTAGES

- The system is not fully automated; it needs doctors forfull diagnosis.

### APPLICATION

The system can be used by all patients or their family members who need help in an emergency.

### FUTURE ENHANCEMENT

- Medic Assist web application can be additionally upgraded in an Android application.
- The Prediction system will be fully automated by using machine learning and artificial intelligence.

### CONCLUSION

At the end of this proposal, we want to remember that this is a fully unique system and sure that it will help us all as well as any hospital business that can add this to their existing feature. Hope this application will be very demandable in the coming future.

## REFERENCES

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