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HEALTH PREDICTION SYSTEM

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Abstract —*Health Care System is a web based application can be accessed throughout the specified department to handle the various processes involved in Smart health Prediction System where Patient can see various Doctor For their health issue, the system shows various essence. Software also lists various expert Doctors available where user can search Doctor for their medical issue. The ambition of developing this project is to provide medical guidance for a patient who wants to know about the Disease Symptoms. Healthcare is a sector where decisions usually have very high-risk and high-cost associated with them. The decisions related to health are crucial as it may cost a person his/her life. While diagnosing the disease doctor analyses the symptoms of the patient. Regarding the symptoms the final disease is predicted.*

Keywords- *Health; Application; Patient; Doctor; Disease; diagnosing; Healthcare*

I. INTRODUCTION

We are making an online web based application name as Smart Health Prediction System. Here we propose a system that allows users to get instant guidance on their health issues through an health care system online. The system is fed with various symptoms and the diseases associated with that system. The system is first taught with various symptoms and the disease associated with each system. The Health Prediction system is an end user support and online consultation project. The system contains data of various symptoms and the disease/illness associated *with* those symptoms. It also has an option for users of sharing their symptoms and issues. The system allows user to share their symptoms and issues. It then processes users symptoms to check for illness that could be associated with it. In that we use some data mining techniques to guess the most accurate illness that could be associated with patient's symptoms. If the system is not able to provide suitable results, it informs the user about the type of disease or disorder it feels user's symptoms are associated with. If users symptoms do not exactly match any disease in our database, is shows the diseases user could probably have judging by his/her symptoms. It also consists of doctor address, contacts along with Feedback and administrator dashboard for system operations.

II. GOALS AND OBJECTIVE

The aimed to build a fully functional system in order to achieve a efficiency in faster health treatment and online consultations system. The overall mission of system development is to make the primary treatment quickly and easily complete online consultation system.

III. EXISTING SYSTEM

The current system is a manual and file based one, we realize that system. We are going to build must give the solutions for wastage of time and space which affect the efficiency of the daily activities performed at the hospital. In previous system there is no location tracker for patient and doctors. There is no any feedback system in existing system for taking a feedback from patient.
If the patient requires an instant diagnosis on their disease then they have to go doctor but it is not possible to everyone to identify disease at home instantly. Today's health prediction system is so much time consuming.

IV. PROPOSED SYSTEM

The system is designed to use intelligent data mining techniques to guess the most accurate illness based on patient's symptoms. If user's symptoms do not exactly match any disease in the database, then it is shows the diseases user could probably have based on his/her symptoms. It also consists of doctor address, contacts along with Feedback and administrator dashboard for system operations.

Patient Registration: If Patient is a new user he will enter his personal details and he will user Id and password through which he can login to the system.
Patient Login: If Patient has already an account then he/she can log into the system.
View Details: Patient and Doctor both can view their entered details. Doctor can also view Patients details and patients can view only doctors little information.

Diseases Prediction: Patient will specify the symptoms caused due to his illness. System will ask certain question regarding his illness and system predict. The disease based on the symptoms specifies by the patient and system will also suggest doctor based on the disease.
Search Doctor: Patient can search for doctor by specifying name, address or type.
Feedback: Patient will give feedback these will be reported to admin.
Add diseases and symptoms: Admin can add diseases and symptoms.
View Feedback: Admin can view user's feedback.
Doctor Login: - Doctor will access the system using his User ID and Password.
Patient Details: Doctor can view patient's personal details.
Notification: Doctor will get notification how many people had accessed the system and what all are the diseases predicted by the system.
Admin Login: Admin can login to the system using his ID and Password.
Add Doctor: Admin can add new doctor details into the database.
Add Disease: Admin can add disease details along with symptoms and type.
View Doctor: Admin can view various Doctors along with their personal details.
View Disease: Admin can view various diseases details stored in database.
View Patient: Admin can view various patient details that had accessed the system.
Location Tracker: There will be a location tracker which will track patient's location where he/she accessed the system.

V. ARCHITECTURE DIAGRAM

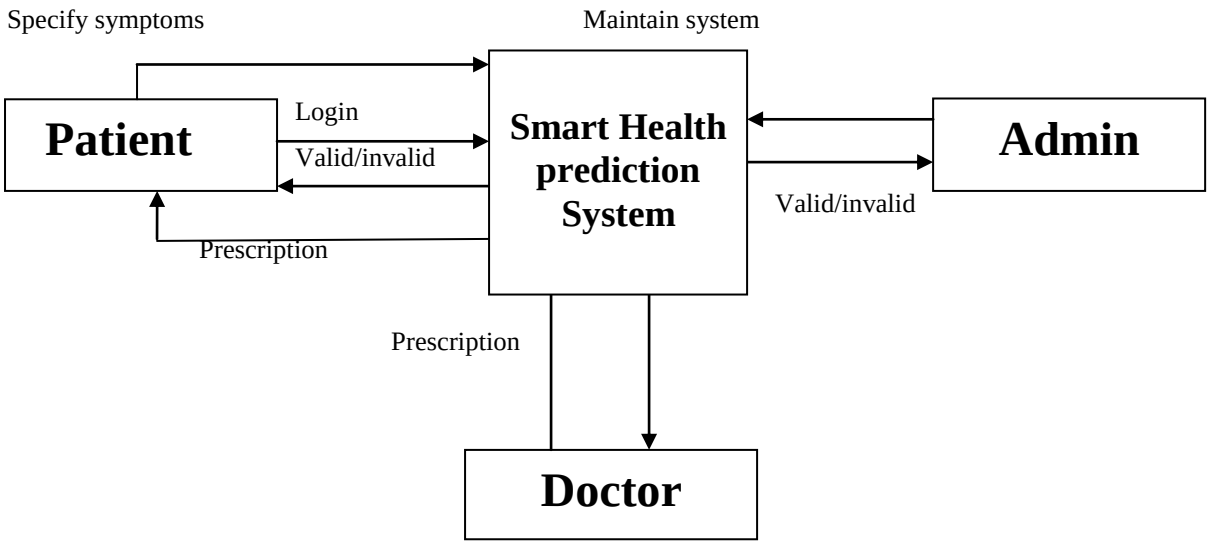

Figure 1 Architecture of System

It consists of a three module i.e. Doctor, patient and Admin. Admin can maintains the flow of a system, He can add, remove doctors as well as patients. Admin also handles the database of system. Patient is a prior user of system, They can specify the symptoms from which they are suffers and system sends this message to doctor site, Then doctor give the prescription on their health issue which can be received by the patient.

VI. CONCLUSION

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

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