Doctor Appointment Booking System and Chatbot

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Abstract: *The project Doctor Appointment Booking System and Chatbot will help people to overcome the issues through automation, people like paralyzed, bedridden and other people who don't have sufficient access to hospitals will benefit by using our project. Here implementing a live communication system between the patient and doctor which can be used at the time of any pandemic or emergencies where most of the hospitals face shortage for beds, supplies and healthcare workers. This project will bring a personalized experience to your patients for identifying the illness, scheduling doctor appointments, notifying caretaker about symptoms, monitoring the health status, update the homecare assistant from time-to-time and more. The idea to create chatbot using Machine learning that can diagnose the disease and provide basic details about the disease before consulting a doctor. This will help to reduce healthcare costs and improve accessibility to medical knowledge through medical chatbot. The chatbot will ask for symptoms from patient and based on those symptoms the chatbot will predict the disease of the patient.*

Keywords: Doctor, Patient, Appointment, Booking, Chatbot

I. INTRODUCTION

The project will help people to overcome the issues through automation, people like paralyzed, bedridden and other people who don't have sufficient access to hospitals will benefit by using our project. This application also contains a chatbot which predict the disease of the patient. Here patient enter the symptom then chatbot ask whether patient has any other symptoms show in the list and at end of the questionnaire chatbot predict symptom. Here implementing a live communication system between the patient and doctor which can be used at the time of any pandemic or emergencies where most of the hospitals face shortage for beds, supplies and healthcare workers. This software can manage appointments and electronic health records for both inpatient and outpatient departments. The project will bring a personalized experience to patients for identifying the illness, scheduling doctor appointments, notifying caregiver about symptoms, monitoring the health status. project ensures 24x7 online support.

II. PROPOSED SYSTEM

The proposed system, To build an environment where various patients needing doctor help at their home can consult doctors, tell them their issues and discuss remedies. It also consists of a doctor's login panel where doctor may login to the system and then see patient requests for consultations. The system then schedules those requests and serves them to doctor. The system will prove helpful to urgent cases that do not reach hospital, for emergency cases that do not have doctors in area, during late night emergencies and also for the bed-ridden patients. This allows doctors to chat with patients and discuss their problems. At the end of consultation, the doctor may prescribe medicines. Doctor can also communicate with relatives, some information about patients, like there health conditions, disease and bad news cannot be tell directly to the patients. It will make them mentally ill and also chance of increase in blood pressure that may lead to heart attack. So, communicating with relatives needed. Effective communication is a key component of good end of life care, enabling patients and their family cares to understand what is happening and to adjust to their new situations.

III. METHODOLOGY

This project will bring a personalized experience to your patients for identifying the illness, scheduling doctor appointments, notifying caretaker about symptoms, monitoring the health status, update the homecare assistant from time-to-time and more. With the help of reputed hospitals and qualified doctors, I can implement my project that helps people across different places including remote areas which have quick access to Hospitals and the times like these where people

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face difficulties in visiting Hospitals. This project ensures 24 x 7 online support. The chatbot will ask for symptoms from patient and based on those symptoms the chatbot will predict the disease of the patient.

IV. SYSTEM ARCHITECTURE

This software can manage appointments and electronic health records for both inpatient and outpatient departments. The idea to create chatbot using Machine learning that can diagnose the disease and provide basic details about the disease before consulting a doctor. This will help to reduce healthcare costs and improve accessibility to medical knowledge through medical chatbot. The chatbot will ask for symptoms from patient and based on those symptoms the chatbot will predict the disease of the patient.
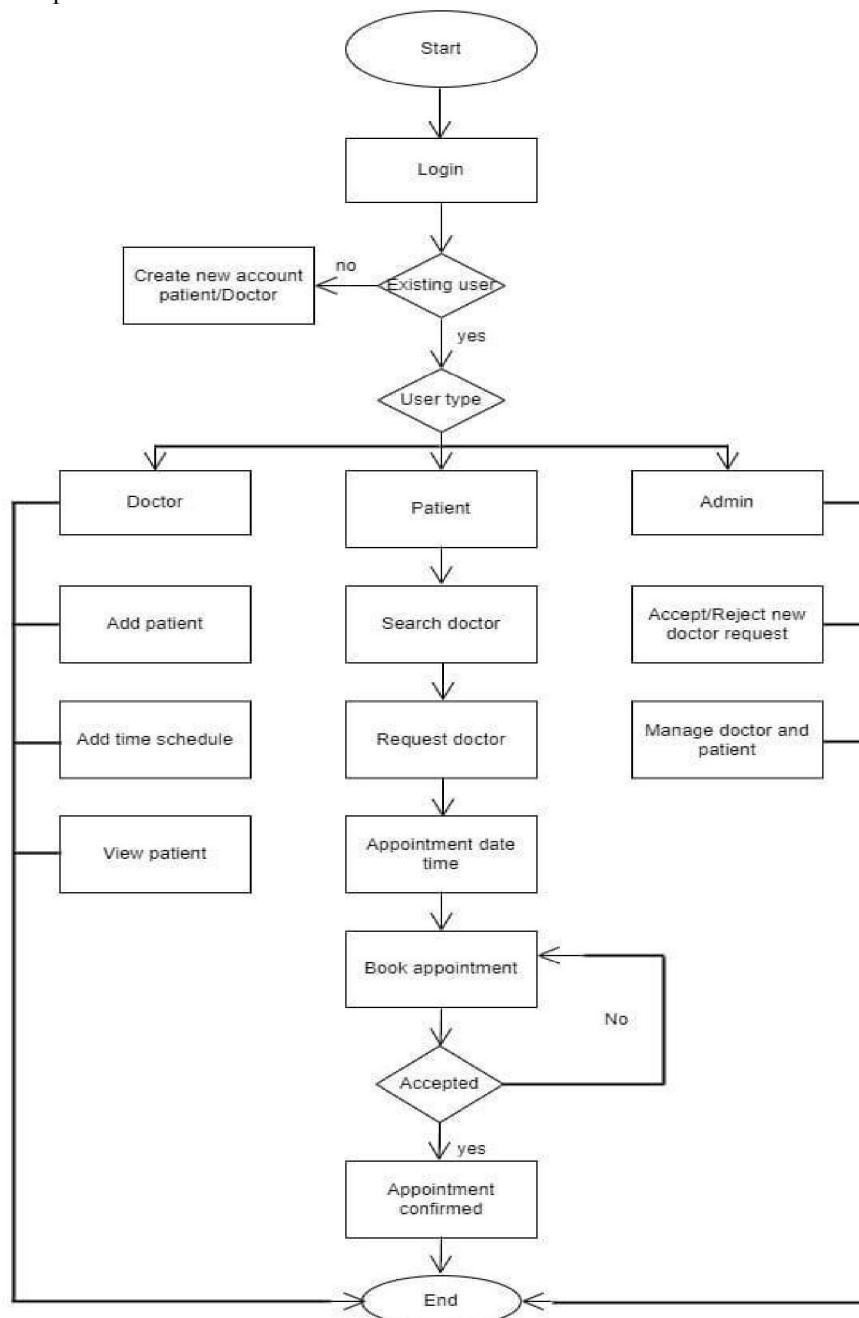

Fig.1.System Architecture

V. CONCLUSION

As a conclusion this is to show the project on proving the point that how important Doctor Appointment Booking System and Chatbot health assistance is for the patients who are unable to reach hospitals. Over the past few years, we may see the growth in the medical field. So, to utilize the medical services efficiently our project plays a major role in the society.As a conclusion this is to show the project on proving the point that how important project health assistance is for the patients who are unable to reach hospitals. Over the past few years, we may see the growth in the medical field. So, to utilize the medical services efficiently our project plays a major role in the society.

VI. FUTURE SCOPE

There are many ideas that is to be included in the coming updates. Video calling services is the other feature where in case of small wounds and casualty patient can get a detailed prescription without even reaching the hospital. Pharmacy services is a vital part for patient if there is any support for them to look after them it's much difficult for bed ridden patients, old aged patients to reach the pharmacy so we would like to provide online services so they can buy medicine from their homes without going outside. Emergency ambulance services provide patients to easily create emergency alert system from our application to provide online support to patients in case of emergencies. Home nurse support helps patients in their emergencies.

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