The Health Assistant

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ABSTRACT

This paper presents one application with several modules. These are online prescription , appointment booking, medicine reminder and ambulance tracking features in one application. This paper is all about providing communication portal that helps to communicate between doctor and patient which is an online Portal. It allows the user to refer the application which is very much important for the doctors to prescribe medicine. In the ambulance module, GPS and GSM units are used to send the exact location of the ambulance to the user. If the spot is identified, the information is sent to the user through this application. By tracking the ambulance position, user can track the nearest ambulance in emergency. The main concept is to track the ambulance. Also this application will remind their user to take proper medicines in proper quantity at proper time.

I. INTRODUCTION

"The Health Assistant" In this fast driven society, where the current climate in the healthcare sector demands efficiency and patients' satisfaction in medical care delivery. This application helps to communicate between doctor and patient which is an online application .The basic design of "The Health Assistant" on a web application and Android app is that the application sit is on a web server, and users will access it via App. This Online Prescription management system receive more and more attention due to the ability to reshape current healthcare system for example patient can book and cancel appointment through mobile app, he can also see the availability of doctor and his previous treatment history. This is more user convenient as people from worldwide can fix their appointment for consultant to the doctor. Rescheduling/Cancelling of appointment is also available as in case of any urgency. The prescription of appropriate treatment will be send to patient on his app at the same time to receptionist and she/he will give print of that prescription to patient. According to the scheduled of medicine reminder will send to the patient so that he can take medicine and food on appropriate time. There should be special care for the life saving vehicles (Ambulance). The user can track ambulance using this application with active internet connections. Tracking of ambulance will be done with GPS (Global Positioning System) in mobile phones with active internet connections. Our software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically.

II. LITERATURE REVIEW

When a person visits a doctor, he has to carry old prescriptions. The person is not aware about his medical history and sometimes he can forget to take medicines at suggested time. Well there are applications for that. Some of them are mobile reminder, online appointment booking, E-prescription and many more. Mobile reminder is an application which provides the services to take the prescribed medicines on suggested time. Another application called E-prescription allows users to carry his prescriptions digitally which will reduce the paper work. Online appointment booking helps you to take appointment of a doctor by using the Smartphone. It will help the user to save his time in queue. Our application provides all of these facilities in one application including mobile reminder, online appointment booking, online prescription and ambulance tracking which help to track nearest ambulance in emergency. "The Health Assistant" requires the username and password to login which is accessible either by the receptionist and doctor. Only receptionist can register new patient entry and appointment so she can allocate patient to the related doctor. To the doctor side doctor can see his daily appointment .The patient can fix the appointment using this android app and he will receive the reminder of taking the medicines on described schedule. Also he can track the ambulance in emergency. The interface is very user-friendly. The data is well protected for personal use and makes the data processing very fast.

III. PROPOSED WORK

3.1 Problem Definition

In the existing architecture, some prescriptions would be lost, some would include the wrong percentage of subsidy by the Health Insurance Fund. The collection of statistics and data is costly and all parties must waste time on reporting the same data at different times. The new system was designed as a centralized and paperless system to be used by all doctors, patients and pharmacies. Existing system refers to the system that is being followed till now all the hospital functionalities are done manually. That is, if the patient wants to consult a doctor, he can visit the doctor till the user is called. This system is very difficult and time consuming. The main disadvantage is time consuming, Lack of security of data, Consumes large volume of paper work. ,Manual work, No direct role for the higher officials. To overcome these limitations and make the system working more accurately it needs to be computerized. Objectives of proposed system is software is user-friendly. which shows and helps you to collect most of the information about hospital services. The proposed system is very simple in design and its implementation. The system requires very low system resources and the system will work in almost all configuration. The main objectives of the proposed system is that the patient will easily have prescription ,allocate to the doctors, Doctors Search is possible , history help doctors to search their patients treatments. In the ambulance module, GPS and GSM units are used to send the exact location of the ambulance to the user. If the spot is identified, the information is sent to the user through this application. By tracking the ambulance position, user can track the nearest ambulance in emergency. The main concept is to track the ambulance. Also this application will remind their user to take proper medicines in proper quantity at proper time.
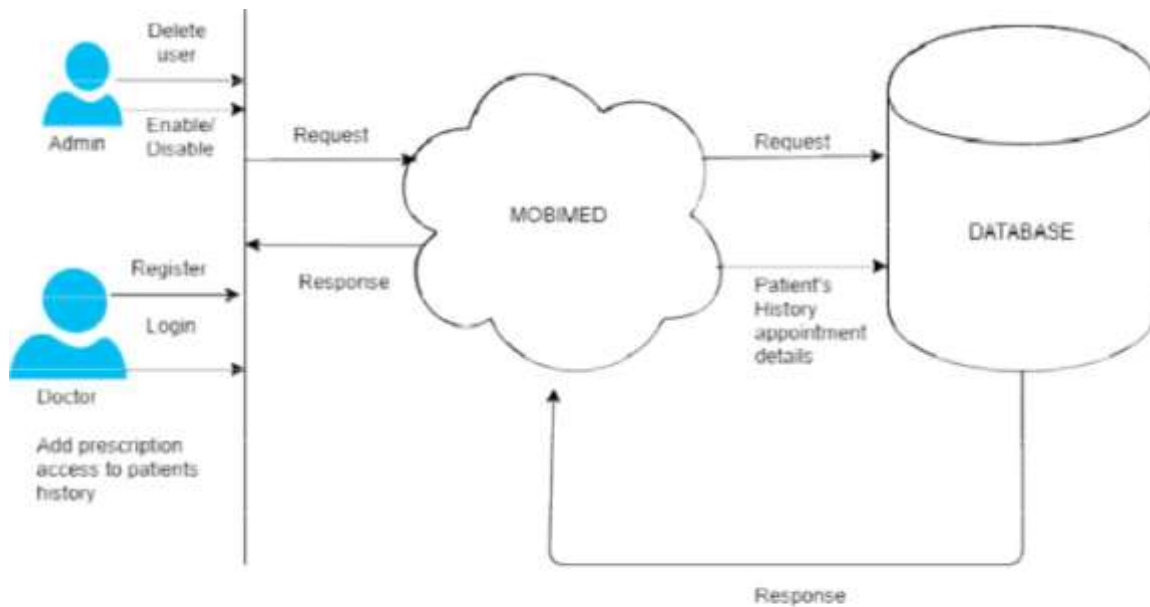
3.2 System Architecture

Fig : System Architecture

3.3 Module and their function

Module 1: Login/ Registration Module

The registration and login module will contain registration for new users who may be a user.

Module 2: User Module

The user will register and login to the application for booking of appointment, reminder and history of treatment.

Module 3: Owner Module

He can also add other personal information.

Module 4: Admin Module

The main work of admin is to add Hos pitals, Pharmacy, and Ids for doctor and patient. If there is any problem regarding app then admin can handle it. For e.g. Any problem in database, problem in any module etc.

IV. CONCLUSION

Our Application "The Health Assistant" provides detailed description about the Medicine Reminders-will remind their user to take proper medi cines in proper quantity at proper time, Online prescription -this portal will create an efficient method for storing the prescription details, Ambulance Tracking- in the ambulance module, GPS and GSM units are used to send the e xact location of the ambulance to the user, Appointments ,as well as online medicines which will be useful to reduce paper work, and to save time . This is going to be very

useful for anyone and also act as a guide to them. Our main aim is to provide a user friendly application for the Pa tients.

V. ACKNOWLEDGMENT

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