WORKING OF ANDROID BASED HEALTHCARE MONITORING SYSTEM

Prabhu R[#1], Mr Jagadeeswaran V S [*2]

#*Department of Computer Science, Dr N.G.P Arts and Science College*

Coimbatore-641048, Tamil Nadu, India

Abstract — **The app entitled Android Based Health Care Monitoring System provides an efficient way of communication between doctors and patients. The system is used for managing the doctor and patient interactions. The main aim of the project is to maintain e-health. Patient records can be maintained uniquely. Patient can select the desired doctor from desired hospital and then can proceed with appointment and consulting. The app helps to maintain patient's record as well as doctors. The healthcare monitoring systems has emerged as one of the most vital system and became technology oriented from the past decade The app deals with Hospital Management by mobile application. The app is involved in the lot of interfaces those are welcome, login, Doctor, Services, Patients and Appointment. The app display all the personal information of doctors like address, phone numbers, specialization and qualification. Searching the doctor information using ID is made possible. Features like adding and removing the doctor status using the doctor interface and also for checking the department he/she belong to. Service is taking of the administrator is taking the file and the department the patients belong and the user is in charging the patient. Tool is totally user friendly so is easy to maintain the hospital appointments.The system gives the opportunity to realize a complete electronic management of all the processes and activities in medical field without spending much efforts and time. The system includes a full and detailed account of treatment processes, accounting and activities related to patients in hospitals. Currently getting an appointment from doctor is possible only if patient goes to that particular doctor's clinic or hospital. Patient with particular disease can be selected and viewed easily**

Keywords--**Health Monitoring System, Android application, temperature, Android smartphone.**

I. INTRODUCTION

The increased use of mobile technologies and smart devices in the area of health has caused great impact on the world Proposed app is designed to provide a facility for all the patients to get appointment through the site.[1] The app also provides lot of information needed for all users. It can be designed for hosting on Internet or Intranet[2].Proposed system is developed like, when a patient visits hospital, he/ she can tell their patient ID in the entrance if they are already inpatient of the hospital. Else new patient ID is automatically generated. After fixing appointment, appointment details are updated in the database. Then the corresponding doctors will be able to view the appointment details.[3] The app is very useful when the patient comes next time for treatment in future.Also it is very useful when the patient is handled by doctors the user is not attended before. After selecting the disease, list of available doctors in that specialized area and their available timing is displayed. Then appointment can be fixed based on FIFO concept.The proposed software is one of the best software. All the report of the patients is stored under the software.[4] Advantages are multiple doctors and receptionist can be able to use the software developed. There is no risk of losing data. The app is planned to help hospital management administration to manage doctor's details, patients details, appointment details and doctor consultancy details.Health monitoring systems are gaining their

significance as the Fast-growing universal elderly population increases demands for caretaking.

II. LITRATURE SURVEY

At present system for a patient to contact a doctor and take an appointment is possible.only if patient goes to that particular doctor's clinic or hospital. Even the country cannot get the right in order about hospital details and different hospitals available in a testing city.The only way to get all these are through directly contacting particular people personally and it's a very big difficulty for a person new to that city. [5]Those the user wants to have some information in the medical field or want to get appointment to particular doctor   from the own place are not possible.

III. SYSTEM DESIGN

The major focus of scheme design is to complement the system structural design, as long as information and data constructive and neccesary for implementation of structure elements. it defines the mechanism, module, interfaces, and data for a coordination to convince specified necessities. This division consists of the diverse modules ,interfaces and data essential for the design of a Patient engagement and arrangement scheme.

IV. IMPLEMENTATION

The in general block diagram of the future system is is the heart of the absolute system which monitors and controls all the signals coming and going out of the controller. Implementation is oblique using the keil software and code is deserted using blaze the supernatural tool.

V. PROPOSED SYSTEM

The present work aims to design and implement in such way that it responds according to the needs of the patients to browse through their mobile application. After installing the mobile app, they can browse to get information regarding available doctors,their timings for appointments etc. [7]It even provides the doctors to register themselves, if needed modify their records etc.The proposed app deals with all the users who are registered their details through the proposed mobile application. The main management of all the data, human rights and views can be complete. Android Based Health Care Monitoring System offers modules for managing Doctors Appointment, patient information, consultancy information etc.

ADVANTAGES

- The new system provides easiest way for all the doctors, patients and others to get all the information needed as quick as possible that too from anywhere.
- The main use of proposed system is that registered patient can get appointment to any doctor on any day.
- The main reason of going to plan and develop the app is to get above mentioned profit as well as the truth that internet chains any type of check or business process where in message between the patients, users, doctor's website designers are very important.
- The app provides the most up-to-date services database and providing link directly to a business from their individual listings.
- Constant flow of communication is provided between doctor and patient Live chatting option is implemented.

V.Module description

A .Login Module

It is used to store and retrieve login details. It is used for authentication purpose. Only the authenticated users can login into the application.

B. Patient details Module

It is old to store and regain Patient information. When patients appointment are fixed with doctors new form is filled with

patients details Doctor appointment time, personal details, disease details etc..

C. Doctors Module

Every doctor the user visits hospital will have unique user id. Using the id administrator can find out doctors timings, total number of patients appointments, total number of doctors present in various departments. It is possible to add new doctor id using the module.

D. Appointment Module

Every doctor the user visits hospital will have unique user id. Using the id administrator can find out doctors timings, total number of patients appointments, total number of doctors present in various departments. It is possible to add new doctor id using the module.

E. Reports Module

Various reports that have been generated through the module are patient report, doctor report and appointment report.

VI. CONCLUSIONS

This current planned system provides low difficulty, high brilliance and highly movable for health think about monitoring of patient's and it can eliminates the need of ultilization of expensive facilities.The doctor can easily access the patient's in sequence at any where with the help of android machine web server. In future opportunity, we can expand a big data base of all the patients of any hospital and the these health parameters can be monitored continuosly, and also the in order is uploaded to the hospital server. These servers keep the information of the patients in the data base, and doctors can have the access of patient's history, when any further consultancy happens with the doctor.

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