

E-Hospital Management System

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Abstract- Regularly hospitals keeps up persistent information in conventional ways and it's exceptionally hard to deal with that and information isn't accessible and reasonable for average citizens or patient it's additionally hard to share understanding data quickly if there should arise an occurrence of any crisis . On the off chance that you have to counsel any specialist individuals need to compose so long in lines. This application assist people groups with conversing with specialist and specialist can share tolerant data different specialists and patient can get restorative data like drug store points of interest, radiology subtle elements and lab and bill points of interest .It additionally give solution alarm for patients and it likewise causes patient to calendar and monitor day today movement.

I. INTRODUCTION

In current world people are leading a busy life, so they want everything in hand .but hospitals uses traditional ways to maintain files and share the information .It should be helpful if they share information using application. For this purpose the proposed system is been implemented. It is based on HIS (Hospital Information System) deals with sharing medical data using application. This application consist of two views patient view and doctor view and this application is connected to HIS. By using this application doctor can share medical data like lab details ,pharmacy details and lab details also they can also keep track of in patient, out patient and billing, doctors can converse between doctor and patients. In patient view user can take view is medical data like pharmacy detail, laboratory detail and radiology details user can converse with doctor or patient they and schedule their activity, this application will give medication alert to patient .

II. PROBLEM DESCRIPTION

Maintaining and sharing medical data is major problem. If we used traditional file system for maintaining and sharing data it is not easily available for user and also difficult to share data with some other doctors. It is difficult to keep each and every persons medical data for future use and do research based on past medical data. Normally people dont visit doctors for doctors because of their busy schedule then its turns to major health problem And normally for forget to take medicine and they are not maintaining their day to day as per

suggestion of used. And also very difficult for maintain pharmacy record and other medical records of each and every person.

III. SYSTEM STUDY

A. Existing System with limitations

In the Existing system medical data is not managed in efficient manner. To store patient data they are using tradition file system . It is very to understand normal people to get medical related data. And it is also difficult to doctors to share patient information with others .People should wait in long queue if they want to consult doctor.

It is very difficult to doctor share patient information with other doctor.

Doctors and Doctors and patient with doctor cant con-verse so easily.

Time consuming.

People don not get there their medical records so easily. People forget to take medicine and follow schedule as

suggested by doctor.

In case of emergency doctor cant take other doctors suggestion immediately.

B. Proposed System with objectives

The proposed system overcomes all the drawbacks men-tioned. It helps doctor to share medical data with other doctors and patients easily. People can get medical records in their mobile so easily and app will give medication alert and schedule alert for user.

Helps to share medical data easily.

Patients can communicate with doctor easily also doctors can communicate with doctors easily.

Application gives notification for patient to take time and follow activity time to time.

Normal people can get their medical details in mobile only.

Doctors can share their patient medical information easily if there is any emergency.

IV. FEASIBILITY STUDIES

Preparatory examination analyzes venture attainability; the probability the framework will be valuable to the association. The fundamental goal of the achievability examine is to test

Technical, Operational and Economical plausibility for including new modules and troubleshooting old running framework.

All frameworks are achievable in the event that they are given boundless assets and unbounded time. There are angles in the possibility ponder bit of the preparatory examination:

Operational feasibility
Technical feasibility
Economical feasibility

A. Operational feasibility:

The application does not require additional manual involvement or labor towards maintenance of the system. Cost for training is minimized due to the user friendliness of the developed application. Recurring expenditures on consumables and materials are minimized.

B. Technical feasibility:

The application does not require extra manual association or work towards upkeep of the framework. Cost for preparing is limited because of the ease of use of the created application. Repeating uses on consumables and materials are limited.

C. Economic feasibility:

The system is economically feasible keeping in mind:

Lesser investment towards traditional data storage. One time investment towards development.

Minimizing recurring expenditure towards training, facilities offered and consumables.

The system as a whole is economically feasible over a period of time.

V. SYSTEM ANALYSIS

A. Requirement Specifications (SRS)

A product necessities particular (SRS) is a portrayal of a product framework to be created, laying out utilitarian and non-useful prerequisites, and may incorporate an arrangement of utilization cases that depict collaborations the clients will have with the product.

Programming necessities particular sets up the reason for understanding amongst clients and temporary workers or providers (in showcase driven ventures, these parts might be played by the promoting and advancement divisions) on what the product item is to do and also what it isn't relied upon to do. Programming necessities determination allows a thorough evaluation of prerequisites before configuration can start and decreases later update. It ought to likewise give a sensible premise to evaluating item costs, dangers, and timetables.

B. Software and Hardware requirements

1) Hardware Requirements:

RAM : 1GB or above

Hard disk : 10 GB or above Processor : 2.4 GHZ or above

2) Software Requirements:

Front end :Android, iOS , PHP

Back end : My SQL 5.0 , MongoDB Languages : Android, Swift, PHP.

VI. SYSTEM DESIGN

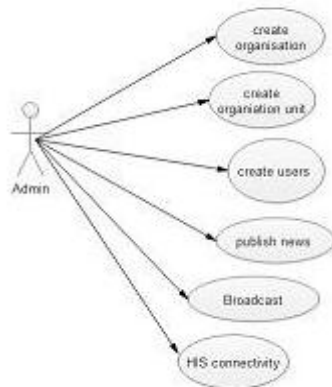


Fig. 1. admin level use case

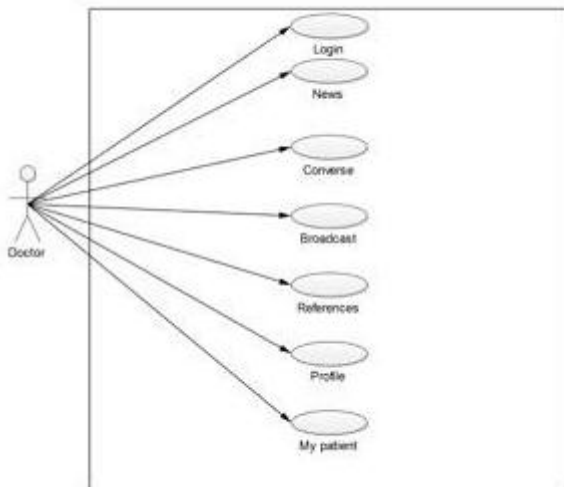


Fig. 2. doctor level use case

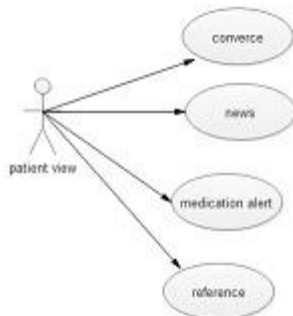


Fig. 3. patient level use case

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