

# PATIENT HOSPITAL DOCTOR CONNECT ANDROID APPLICATION

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## Abstract

*Effective doctor-patient communication is a central clinical function in building a therapeutic doctor-patient relationship, which is the heart and art of medicine. This is important in the delivery of high-quality health care. Much patient dissatisfaction and many complaints are due to breakdown in the doctor-patient relationship. However, many doctors tend to overestimate their ability in communication. Over the years, much has been published in the literature on this important topic. We review the literature on doctor-patient communication.*

**Keywords:** *Android Application, Medical History, Patient Details, Documents, Hospital Management.*

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## I. Introduction

Medical device connectivity can help lower healthcare costs by providing the caregiver with access to current information to help diagnose the patient quickly and correctly. This saves patients a large percentage of treatment costs by potentially minimizing unnecessary appointments, medical tests and hospital stays.

Access to current patient information improves workflow efficiency by saving the healthcare provider the time of having to manually enter data into a paper chart. As a result, medical device connectivity allows healthcare providers to spend time on what matters most—the patients.

## II. Problem Statement

It is very important to maintain efficient software to handle information of a Hospital. This application provides away to record this information and to access these in a simple way.

## Objectives

1. To provide medical history of the patients to the new assign Doctors.
2. To reduce the cost of Medical treatment.
3. To find new Doctor easily.
4. To recognize unknown patient during emergency/accidental treatment.
5. To book an appointment with the Doctor at any appropriate Hospital.

## Architecture

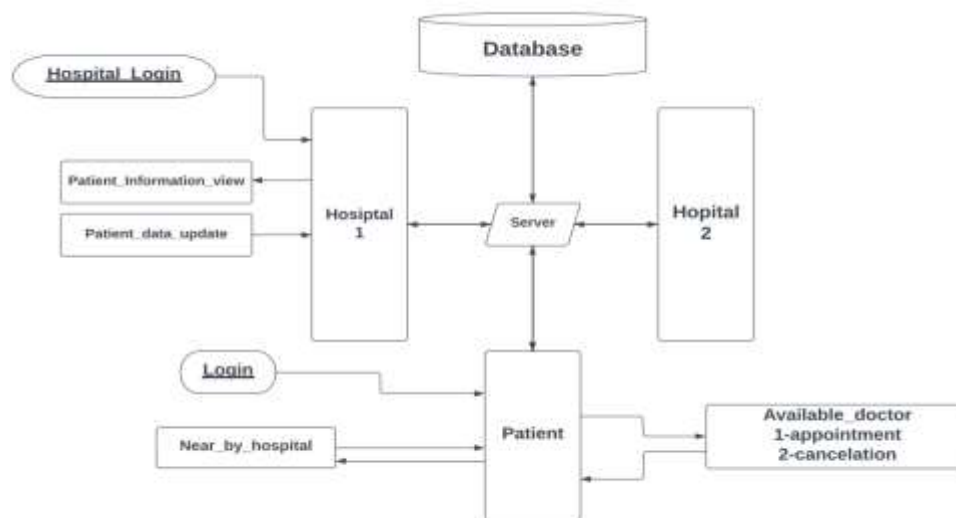


Fig 1: Proposed System Diagram

## IV. RESULT AND DISCUSSION

The detailed workflow of this android application is as follows. The web application is divided into 3 subgroups-

### 1. Admin

- Doctor registration  
The first step in this android application is to get the management, staff members and doctors registration. They need to the first register with their Email id in the database. The respective person will then provide his or her Email Id and password for registration.
- Show all Doctors  
Show all Doctors. That Doctors shows as per specialized department.
- Appointment of Doctor  
Also note down the doctor availability in the Hospital.
- Add Hospital  
To insert and delete the Hospital Registration as per the association of hospital.

### 2. Doctor Login

- Patient History  
It Shows the Patient history by giving the input such as unique id.
- No. of Appointment schedules  
It show count of patient which are going to consult today.
- upload Prescription  
Doctor can update the patient diagnosis when patient consulting is done.

### 3. Patient Login

- Search Hospital  
Find the nearby hospital by using hospital name or locationwise.
- Book Appointment  
Patient can book appointment with the hospital.

- Document  
It can avail the prescribed receipt and medical testing reports.

## Requirement Analysis

### Hardware:

1. RAM: 2 GB
2. Storage: 8 GB
3. Mobile – Android 5+ OS

### Software:

1. Operating System: Android
2. Android Studio
3. Firebase

## FEATURES

1. Improve Visibility & Transparency
2. Improved Quality Control
3. Improved Management Visibility
4. Unlimited User Support
5. Improved Time Management
6. Ease to Access System Facilities

## CONCLUSION

This project is designed to meet the requirements of Patient Hospital Doctor Connect.

## REFERENCES

Ayushman BHARAT Program launched by indian government.