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Android application for Patient Diagnosis Report

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Abstract— *The application developed an automated system that is used to handle patient information and its administration. Our idea is to eliminate the problem of inappropriate data keeping, inaccurate reports, time waste in storing, processing and retrieving information encountered by the traditional hospital system in order to improve the overall efficiency of the organization.*
The database record contains the patient personal information, department lies-in, treatment and lab results and the reports of updated treatment. Since the patient enters the hospital the process of diagnosis starts with the doctor creating his new record by entering the personal information and sending the record to assigned department. At this stage the doctor starts updating the record by entering past history and test results when it is required. The procedure continues as long as the patient remains in the hospital. As the system consists of different doctors. If the Patient goes to new department, the doctor did not need to enter information again. Due to centralized database he can simply access information by searching a unique ID. The system is considered time and cost effective to healthcare.
Keywords— *Android Studio, Xampp Database,Monitoring.*

I. INTRODUCTION

The healthcare service providers using smartphones are growing exponentially throughout last decade .The adoption of this technology is rapid; two-thirds of physicians and 42% of the public used smartphones as of late 2014.This app play a vital role in monitoring detail of patient in every sector of hospital. Nowadays a condition occur that the details of patient is on pen paper but now table changes as our app monitors detail every now n then. There is huge problem going in every where that when you go to one department for your checkup or as a OPD patient you fill your detail there, but when you go to other department, again you have to fill the detail this gains a trouble to doctors and to a patient. Using aadhar card we will classify the patients.

II. The Proposed System

- Store and handle input of patients personal information such as name, age, and other information.
- Easy display and updation of patient current department and diagnosis report.
- Recording Patient Diagnosis Detail
- Past Report.

A. Architecture Of Proposed System

Steps for Patient:-
Step 1: Register in Application (give name, ID proof & required information).
Step 2: Request for the Diagnosis.
Step 3: Provide information related to Diagnosis.

Steps for Docter:-
Step 1: Register on the Application.
Step 2: Add on the detail in Database.
Step 3: If patient comes alternately, direct searching of report makes treatment easy.
Step 4: Add general test data.
Step 5: Can access past history report easily.
Step 6: Check status.

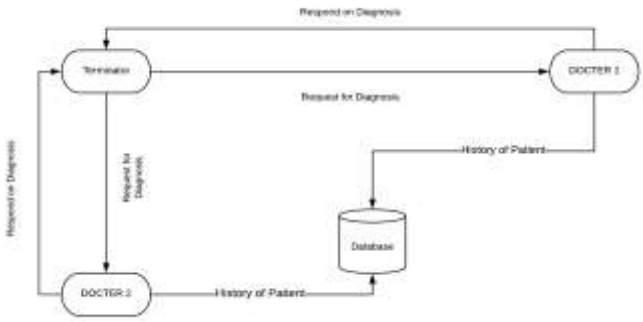

Fig. Architecture of Proposed System

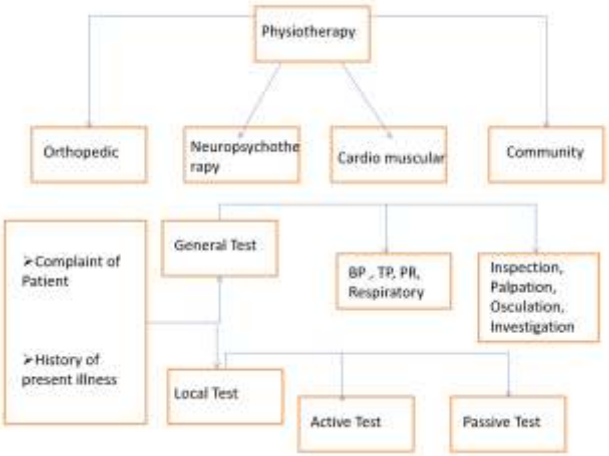

Fig. Model Achitecture

B. Software Description

1) Android Studio:

Android Studio is the official Integrated Development Environment (IDE) for **Android** app development, based on Intelli JIDEA. On top of IntelliJ's powerful code editor and developer tools, **Android Studio** offers even more features that enhance your productivity when building **Android** apps, such as: ... C++ and NDK support.

Features of Android Studio:-

- Beautiful UI
- Connectivity
- Messaging

2) XAMPP SERVER (DATABASE):

XAMPP is a free and open-source cross platform webserver solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, are the PHP and perl Programming Language. MySQL is also used in many high-profile, large scale website.

III. Conclusion

I. We tend to provide a online medium of record keeping. Where every record will be accessible by doctor base on Aadhaar number and his current card number.
II. This will help doctor to look for past diagnosis of patient transfer from any department of medical.
III. Our application will provide in better diagnosis of patient

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