DMD-Diagnose My Disease using Android Technology

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Abstract—

In the present, mobiles/tablets with the ANDROID as operating system are more used. It provides more application free on its android store. Now days there are many app on app store but there is no good app related to the DMD to provide better information regarding the precautions user has to take. To overcome the manual storing visiting card and maintain record handy require lots of resources and there is no reuse of these resources so to overcome this problem we making an app which keep the data in electronic form so that less waste of capital and space is used to maintain even a large amount of data in well formed.

Keywords—Android technology,diagnose disease,smart phone

I. INTRODUCTION

Android has a growing selection of third party applications, which can be acquired by users either through an app store such as Google Play or the Amazon Appstore, or by down-loading and installing the application's APK file from a third-party site The Play Store application allows users to browse, download and update apps published by Google and third-party developers, and is pre-installed on devices that comply with Google's compatibility requirements.The app filters the list of available applications to those that are compatible with the user's device

II.

Mobile devices aren't just changing the way we communi-cate they're currently changing the face of health care, too. Recent developments in smart technology, from phones to home automation, have made it easy for people to track and monitor every aspect of their daily health and fitness routines. In addition, open-source software for Android and Apple devices has made it possible for health care professionals and medical researchers to use technology to help them study everything from asthma to autism. When Deborah Estrin, a computer science professor at Cornell Tech and a professor of public health at Weill Cornell Medical College, learned about software that would allow researchers to develop apps to track the health and fitness habits of people across the country, she couldn't wait to get in on the action. However, the initial software was only compatible with Apple products. Technology is making it easier for researchers and health care professionals to expand their knowledge and understanding

of disease and dysfunction. Thanks to pioneering advocates like Estrin, health apps and medical research studies are being made available to the broadest number of people possible. And the more use and feedback these inaugural efforts get, the better their development will become. The commitment to bring the latest and greatest health-related technology to Android users will help researchers collect the most data possible and avoid the potential pitfall of a socioeconomic bias based on the type of smart tech a person can afford. When health and wellness technology is available on all platforms, everyone wins. If you're interested in making use of some of this innovative new health tech, search for available health tracking apps on your smartphone to get started.

Fig. 1. Android Technology as Medical Application

A. Research on various medical apps and outcome

Operating system based on android technology now comes into pictures. The images so obtained have to be coded, tagged, transmitted and easily retrieved to improve the clinics performance. This leads to patient review method to conduct at cheap rates and diagnosis with even better images verifications. Android mobile medical QR-code verification scheme helps to maintain the picture archive for automatic assessment of colon images inspections. Based on this DMD can be made which would consist of features of all the apps available in the market today. Keeping up your health can be hard work .These days, we spend countless hours gawking at our smartphone displays, continually playing borderline-addicting games and watching videos that may actually have adverse effects on our health in the long run. Theres a variable swath of free and premium medical apps on the market, some of which allow you to better understand pharmaceuticals while others work

to diagnose your symptoms and prep you for an unforeseen medical emergency. DMD is the combination of all where user can track his disease, get appropriate solution as well as the information could be kept for a long time on server. DMD not only provides user for tracking disease but also could get to know accidental measures should be taken while there is an emergency. Also it would give you appropriate list of drug cost.

The DMD also acts as a First Aid app provides simple step-by-step instructions to guide you through everyday first aid scenarios, whether talking asthma attacks or broken bones. It also supplies you with a host of informative quizzes and safety tips regarding natural disasters such as hurricanes, and given that it preloads all content in advance, you never have to worry about whether you have cellular service. It will allow you to access your medical records on your phone at any time. You can quickly see which vaccinations youve had and when at a glance, along with the last time you visited the doctor and which prescriptions youre taking. You can even send a non-urgent message to your clinic and receive a response within a couple days, schedule visits from directly within the app, and request prescription refills. Best of all, you can see all your information online if you cant access it due to cellular outages. The convenient app lets you instantly connect with licensed professionals via video chats and audio calls, thus granting you access to medical advice and prescriptions based on your particular symptoms without you ever having to step out the door.The simple app allows you to find neighborhood doctors within your insurance network, each with verified reviews from other patients that function much like a help review.

B. Why DMD?

Access to healthcare services is critical for rural residents. Ideally, residents should be able to conveniently and confidently use services such as primary care, dental, behavioral health, emergency, and public health services. According to Healthy People 2020, access to healthcare is important for Overall physical, social, and mental health status, Prevention of disease, Detection and treatment of illnesses, Quality of life, Preventable death, Life expectancy. People in rural areas are more likely to have to travel long distances to access healthcare services, particularly specialist services. This can be a significant burden in terms of both time and money. In addition, the lack of reliable transportation is a barrier to care. In urban areas, there is often public transit for patients to get to medical appointment. Technology in the form of smartphones have been reached to users as well as people are more convenient to use them. Thus by combining this android technology for the health purpose this app would provide users with basic medical information, prevention and care. Same goes for the people in urban areas where people find shortage of time to visit doctors, take care of themselves and keep track of their diseases and health. Working people specially do not get miore time to spent on their health issues. The use of app would help both the urban and rural area people to track their disease by clicking images of their disease and uploading it as well as necessary information and treatment.
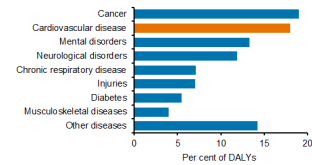

Fig. 2. Statistical Analysis of increasing diseases

C. Objective and Scope

The DMD (Diagnose My Disease) is developing app for mobile and tablet that facilitates touch screen. To overcome the manual storing, visiting card and maintain record handy require lots of resources and there is no reuse of these resources so to overcome this problem we making an app which keep the data in electronic form so that less waste of capital and space is used to maintain even a large amount of data in well formed.

The objective of DMD is to operate in any mobile device of screen size. It helps the user to identify the solution for their disease and overcome it.

This app provides different functionality to users with the storage of information about diseases and medicines along with its images. It also provides users with steps/measures to be taken during accidental injury. User is also provided with various features such as deletion of the record as well as the data is saved for a longer time on server.

D. Feasibility

Technical feasibility refers to the ability of the process to take advantage of the current state of the technology in pursuing further improvement. Project is developed using ANDROID technology that can integrate the function of already existing feature of android controls. The project will be used by mobile and tablet users, having ANDROID operating system. For the additional functionality, project requires the usage of virtual server(WAMP) which is technically feasible. The application uses Dynamics DNS for web connection to communicate with server.

The project is economical to develop, as all the technology used are open source. Also hardware and software needed are available easily and cheaply.

E. Features

User can capture the image of their disease and upload the data.User can edit the record as well as image of particular record.They can delete the record(Those who had added entry can only).Data will be save for long time on server. In this App User has to fill all the necessary data to store the data in diary to maintain which disease has which medicine and which precautions has to take. User can save the image of disease. Easily search the record in 100s of record in few seconds. Can update the record very quickly as compared to manually updating record. It is headache to maintain the record of disease and their precautions manually.

III.   CONCLUSION

DMD app which consist of many medical treatments from various diseases of users would be very much beneficial.Proper health study for the various diseases occuring these days precautions and symptoms are considered while making of this app.It would provide user with handy solution for their disease.Detail information about each medical term have been sudied while making of this app.There is also future scope for this app which may include more detail information for disease as well as more advancement in various features of app.

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