NEW MOBILE APP –'ORGAN 24*7' FOR ORGAN DONATION

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ABSTRACT

Our new mobile app encourages hospitals to give efforts to donate organs of people who are about to leave us . We have collected information which contains the details about donors & receivers and grouped them into an easy and compact application for the benefit of the needy. This app is built using Android Studio IDE 2.2 released by the Google. This app serves as an easier & contacting way to access details and documentaries related to the organ donation. It includes a link to government & hospitals for queries. In addition the application has a separate section of linking the online catalogue to execute this operation in it. It also contains the information regarding donors, needy, hospital. We have discussed about various concepts in encouraging people through a modern way of helping by an app. It encourages the hospital which is in need of organ & which are able to donate. This app provides a platform for the social help work also. Through this we can say, this app provides a technical way of support by latest technology in saving lives.

I.INTRODUCTION

Organ donation is when a person allows healthy transplantable organs and tissues to be removed, either after death or while the donor is alive, and transplanted into another person. Some organs and tissues can be donated by living donors, such as a kidney or part of a lung, but most donations occur after the donor has died. As of August 1, 2016, there are 120,004 people waiting for life-saving organ transplants in the US. Of these, 96,645 await kidney transplants. While views of organ donation are positive there is a large gap between the numbers of registered donors compared to those awaiting organ donations on a global level. Organ donors are usually dead at the time of donation, but may be living. For living donors, organ donation typically involves extensive testing before the donation, including psychological evaluation to determine whether the would-be donor understands and consents to the donation. On the day of the donation, the donor and the recipient arrive at the hospital, just like they would for any other major surgery. For dead donors, the process begins with verifying that the person is hopelessly dead, determining whether any organs could be donated, and obtaining consent for the donation of any usable organs. This physician has nothing to do with the transplantation process.Verification of death is often done multiple times, to prevent doctors from overlooking any remaining sign of life, however small. After death, the hospital may keep the body on a mechanical ventilator and use other methods to keep the organs in good condition. Donors and their families are not charged for any expenses related to the donation.

II.EXISTING APPS

There are apps released on the basics of organ donation. There are few examples to be shown in specific. The app named "donorkort" is an app used for used for organ donation. There are certain disadvantages of this app. This app does not provide the certain contact detail which is hidden in database. The next app is," organ donor ecard", it has many form to be filled to the time of emergency, it does not make any clear contact with the donors and needy. Another app to be discussed is "i am donor", it also a merit of most welcomed app by the people. But it has a disadvantage of a slow app.
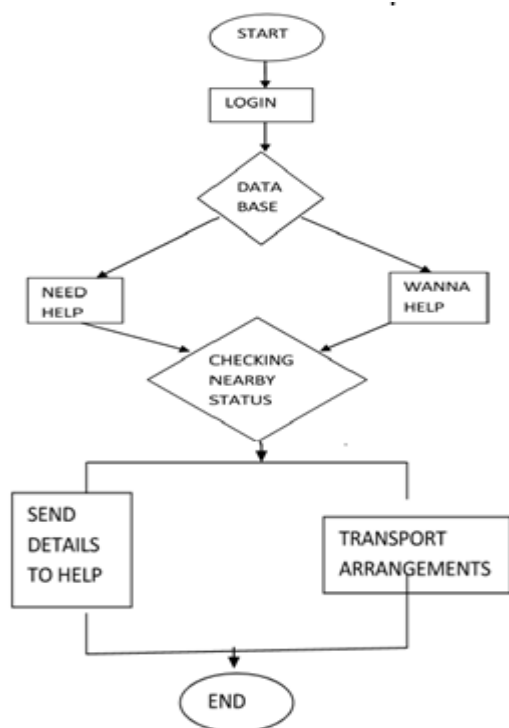
S.NO	APP NAME	ADVANTAGES	DISADVANTAGES
1.	donorkort (3/5)	1. better speed	1. No collection of all need facility
2.	Organdonor ecard (2.4/5)	1. Some better speed. 2. connects all users	1. No collection of all needed facility all in a single applications.
3.	I am donor (4.2/5)	1. Few local books. 2. No bugs!! 3. Good introduction.	1. No transport arranging facility. 2. Released for only higher version of androids and are not available in Microsoft mobiles.

Trendy Tech

There are many kinds of app based on organ donors but these are the app which is discussed above are important. These are the common set of disadvantages faced by the people who are using this app. Hence, our app has been programmed with the help of android studios software to overcome this set of disadvantages. Hence, the proposed app is said to be user friendly along to give a helping hand for the learners around the by giving more boon to the society.

III.   PROPOSED APP- Organ 24*7

Android studio is an integrated development environment officially released by the Google for android platform development. It is available for download from the official android website, which comes with Android SDK and other SDK tools. This software provides a good development environment for the budding developers to create and experiment new android apps and such. It comes with built-in emulators for easy testing of apps. It is often being loaded with updates from the Google at regular intervals.
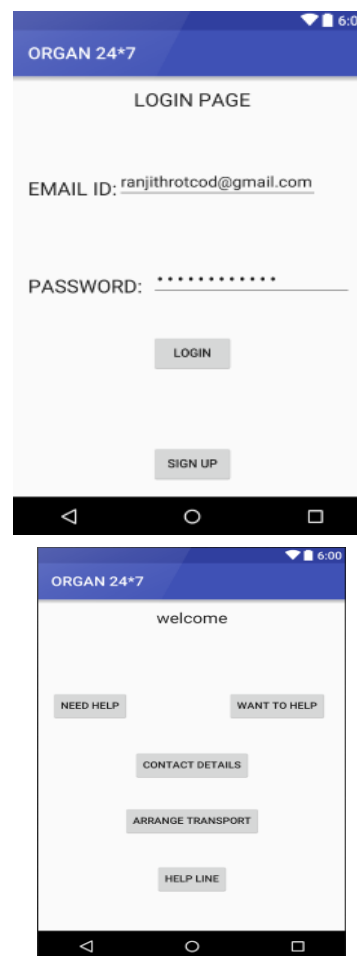
DATA FLOW DIAGRAM OF OUR NEW APP "ORGAN 24*7".

This new app "Organ 24*7"consists of complete reference database of hospital patients who are in need of help. It helps users in a faster way to access the app in emergency situations. The application also provides a way to transport arrangements & also it can be used in most of government hospitals around the country for the benefit of people and doctors to save a life. It provides a theory understanding and touches the concept quality & saves life too. App provides a successful user interface for the users. It can be used by anyone, mostly welcomed by needy. This app created with a software of android studios and yet to be released. It helps in clearing virtues of all kind of doubts in a simple and easier manner. The given understandable user interface of the app is given in ghe following section.

IV. RESULTS   AND ADVANTAGES

Screenshots while developing user interface of,"organ 24*7 is shown in the following figures.

Advantages:

1.It provides a successful user interface.

2.Modernised way of helping needy.

3.Makes the hospitals around the countries proactive.

4.Will have a record of saving lives and encourages the users.

5.Gives reference to hospital and needy with a well defined database.

6.It gives a link to a hospital where the mission to be done & can work out logical issues among people.

7.It is helpful in clearing confusions and arranging transport issues.

V.CONCLUSION

The developments through Android in various forms, mobile applications are used widely used on the various mobile devices vigorously. Android mobile applications are evolving rich and fast user experience. The ultimate goal is to provide a successful user interface to the users in an efficient manner at ease. This app provides the donor around the world to understand and the needy via hospitals .The app, "organ 24*7", gives a hand in problems along with solution of happiness by saving lives around the world. It helps the user in applying what they learnt in their life time about human soul & protects one's life. This app will be most welcomed by the hospitals around the world. The well programmed app encourages people of world to

donate organ via hospitals help towards the goal of motivation. This makes the world interactive since it is a modernised application. It provides an excellent user interface which encourages user to express their qualities. By this, we can approach an easier way and honourable way of saving one's life.

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