PLASMA DONOR APPLICATION
LITERATURE SURVEY

TEAM ID - PNT2022TMID35253

1. INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEB APPLICATION

Covid infected patients can be treated by donating plasma from recovered patients. In the absence of an approved antiviral treatment plan for a fatal COVID19 infection, plasma therapy is an experimental approach to treat COVID19-positive patients and help them recover faster. Therapy is considered competent. In the recommendation system, the donor who wants to donate plasma can donate by uploading their COVID19 certificate and the blood bank can see the donors who have uploaded the certificate and they can make a request to the donor and the hospital can register/login and search for the necessary things. plasma from a blood bank and they can request a blood bank and obtain plasma from the blood bank. The project proposes a design which is a user-friendly web application that is like a scientific vehicle from which we can help reduce mortality or help those affected by COVID19 by donating plasma from patients who have recovered without approved antiretroviral therapy planning for a deadly COVID19 infection, plasma therapy is an experimental approach to treat those COVID-positive patients and help them recover faster.

2. ENHANCED MOBILE APPLICATION DEVELOPMENT FOR PLASMA, MOTHER'S MILK AND BLOOD BANKS

Covid-19 is currently spreading as a deadly disease and till today no medicine has been found for this disease. Alternatively, nowadays plasma transplant surgery is also being performed rapidly. At this present time plasma banks are in short supply. Not only that, but the number of plasma donors is low too. A system has been created to alleviate this situation and help needy people to identify plasma donors and plasma banks. As the world grows in this modern age, only a few

babies are born prematurely without the nutrients they need to grow. Mother's Milk provides the best nutrition for those babies after birth. Today mobile and mobile primarily based applications became a neighbourhood of our day to day life. The main objective is to develop an Android application to build a network of people (Donors, Recipients and Health care departments) who can help each other. This automaton application is developed to simply explore for plasma, mother's milk and blood in near areas for emergencies.

3. FREE BLOOD DONATION MOBILE APPLICATIONS

Blood donation (BD) is a noble act and mobile applications (apps) can help increase awareness about it. This paper analyzes and assesses the characteristics of free apps for BD as regards features and functionality. A search in Google Play, Apple Apps store, Blackberry App World and Windows Mobile App store was carried out to select 169 free BD apps from the 188 apps identified. The results presented in this paper show that the majority of the apps selected have been developed for the Android operating system. Moreover, most of the apps selected are available to help users search for donors. Few of the apps could not be installed and/or accessed. Of those that could be installed: half of them do not require any kind of authentication; a few of them are available in more than one language; half of them have a geographical restriction; around 60 % of them do not notify the user of BD events and requests; one, which is available for Android and iOS, can connect with a laboratory; around 45 % of them allow users to share information via social networks, and the majority of them do not provide BD recommendations. These results are used as a basis to provide app developers with certain recommendations. There is a need for better BD apps with more features in order to increase the number of volunteer donors.

4. AN EXTENDED RESEARCH ON THE BLOOD DONOR COMMUNITY AS A MOBILE APPLICATION

In the developing and the least developed countries, the number of blood banks are limited and it is hard to find a blood donor with the exact blood group at a crucial moment. Patients have to suffer a lot and in

some cases, death is inevitable. Emergency situations like- accidents, ongoing treatments and elective surgeries create critical and immediate need for specific groups of blood. In this regard, a little attention has been given on the easier availability of blood from nearest locations. In this paper, we propose a mobile phone application by which anyone will be able to look for their desired blood group at the nearest location. A large number of people are currently using smartphones running on different operating systems. The application will be developed in different platforms e.g. Android, Windows Phone or iOS, where only registered persons, with willingness to donate blood will be able to access the service.

5. ANDROID BLOOD DONOR LIFE SAVING APPLICATION IN CLOUD COMPUTING

Emergency situations, such as accidents, create an immediate, critical need for a specific blood type. In addition to emergency requirements, advances in medicine have increased the need for blood in many on-going treatments and elective surgeries. Despite increasing requirements for blood, only about 5% of the Indian population donates blood. In this paper we propose a new and efficient way to overcome such scenarios with our project. We have to create a new idea, just touch the button. Donors will be prompted to enter an individual's details, like name, phone number, and blood type. After that your contact details will appear in alphabetical order on the screen; at the urgent time of a blood requirement, you can quickly check for contacts matching a particular or related blood group and reach out to them via Phone Call/SMS through the Blood donor App. Blood Donor App provides a list of donors in your city/area. Use this app in case of emergency. A large number of blood donors are attracted using an Android application. Cloud- based services can prove important in emergency blood delivery since they can enable central and immediate access to donors' data and location from anywhere. Since almost everyone carries a mobile phone with him, it ensures instant location tracking and communication. The location-based app, operational on android platform, will help users easily find donors of matching blood groups in their location and access

their mobile numbers for instant help. Only a registered person, with willingness to donate blood, will be able to access the service.

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