**Learning Survey**

**Name of the paper:**

An Extended Research on the Blood Donor Community as a Mobile Application

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**Topic:**

Plasma Donor Application

**Theme:**

The world is suffering from the COVID 19 crisis and no vaccine has been found yet.. But there is another scientific way in which we can help reduce mortality or help people affected by COVID19 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 recovery. 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.

**Overall inference:**

Blood donation can occur at a number of places including blood donation centers, mobile camps and mobile vans etc. There are various types of blood donations such as voluntary blood donation programs or donations in emergencies. This is the foundation for safe and quality blood transfusion service as the blood collection from voluntary non-remunerated blood donors is considered to be the safest . But it is a time consuming and lengthy process.

Field of science and technology has reached such a level that people are expecting more comfortable and useful ways which can make their lives easier. One might expect digital technologies will play a role in human's daily routines which will make their life more comfortable. People who are searching for blood in case of emergencies and those who donate blood very often or people who are wishing to donate blood in future facing difficulties because of communication barriers. Mobile technology can play a vital role to reduce the gap between them. This paper is organized as follows. Section two deals with the related works and relevant peer research in the context of this paper. Section three describes the problem domain and the proposed approaches. Section four describes detailed data analysis and results. The conclusion is given in the final section.

A donor database will contain all the necessary information starting from donation centers to blood donors' contact information. If anyone wants to be a blood donor, he must register in the application by filling in some required information like name, date of birth, gender, cell phone number, blood group and the last date of blood donation if donated blood in the past. Also a registered person can broadcast his current location using the application. If blood is needed, other people will be able search their desired blood group using a search option. Search engines will search donors regarding blood group, age and last donation date at nearest locations. If there is any desired blood donor found, a message will be sent to him for a donation request. If the donor agrees, further information such as donating location, time and date will be sent. The only thing that a receiver has to do is press a button and he will get all the necessary information about blood donors. Every donor will be qualified to donate blood after four months from the last date of donation. If donors donate blood, there will be an update option for updating their blood donation information but it will verified by blood receiver