

# **PLASMA DONOR APPLICATION**

## **Team Members:**

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## **LITERATURE SURVEY**

### **1.1 TITLE - INSTANT PLASMA DONOR RECIPIENTCONNECTOR WEB APPLICATION**

**AUTHOR-** Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Malliseti.

#### **DESCRIPTION:**

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 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

## **1.2 TITLE-** Instant Plasma Doner Recipient Connector Android App

**AUTHOR-** Vaibhav Thakare<sup>1</sup>, Amol Vishe<sup>2</sup>, Kunal Shete<sup>3</sup> Prof. Ankit Sanghavi<sup>4</sup>

### **DESCRIPTION:**

This system proposed here aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or requirement.

This system is used if anyone needs a Plasma Donor. This system comprises of Admin and User where both can request for a Plasma. In this system there is something called an active user, which means the user is an Active member of the App and has recovered from Covid 19, only such people are recommended here for Plasma Donation. Both parties can Accept or Reject the request. User has to Upload a Covid Negative report to be able to Donate Plasma.

## **1.3 TITLE-** IMPLEMENTATION OF BLOOD DONATION APPLICATION USING ANDROID SMARTPHONE

**AUTHOR-** Ms. Pradnya Jagtap, Ms. Monika Mandale, Ms. Prachi Mhaske, Ms. Sonali Vidhate, Mr. S. S. Patil

### **DESCRIPTION:**

Blood is an important constituent of human body. Timely availability of quality blood is a crucial requirement for sustaining the healthcare services. In the hospital, in most of the cases, when blood is required, could not be provided on time causing unpleasant things. Though donor is available in the hospital, patient is unaware of it, and so is donor. To resolve this, a communication between hospital, blood bank, donor, and receptor is important. The system listed with following forecasting on price variations and stock handling, increase in number of blood type, increase in human accident Infrastructure, blood on various category to be managed. So we solve the problem using the android application. The system will make sure that in case of need, the blood will be made available to the patient. There will be android app to make this communication faster. It aims to create an information about the donor and organization that are related to donating the blood. The methodology used to build this system uses GPS. The Proposed system will be used in Blood banks, Hospitals, for Donors and Requester whoever registers to the

system. **KEYWORDS:** Cloud Computing, GPS, Google Cloud Messaging, Clustering.

#### **1.4 TITLE-** Blood Bank Management System using Android App

**AUTHOR-** Ma.Emir, Aidan, Michella, Ms.Swapna

#### **DESCRIPTION:**

Blood is one of the most important for our body. There is an expectation that the blood will always be there when it is really needed. We proposed a technique of Blood Bank system using Android application in which blood donor and blood bank and blood donation event data will be managed online. In this application the administrator added the whole information about blood bank related to donor and stock of blood. Also, user can quickly check for blood banks of nearby area in emergency situation. The main aim of our project is to bring blood bank, voluntary blood donors and those in need of blood on to a common platform. A blood bank database is created by collection of detail through app. If donor is willing to blood, he can easily find out registered blood bank through our app. Also using app user will get information of blood donation event organized by blood bank. The objective of our project is to reduce manual work of blood bank and give user information about nearest blood bank and available stock of blood to handle emergency situation.

#### **1.5 TITLE-** BDoor App-Blood Donation Application using Android Studio

**AUTHOR-** S Periyannayagi, A Manikandan, M Muthukrishnanand, M Ramakrishnan4

#### **DESCRIPTION:**

In fashionable days folks ought to create use of the trendy technologies to seek outgrowth altogether sectors. During this sense, Blood, donation apps are the new hopes for the folks in The Asian nation for blood property. Nowadays, several blood apps are accessible in Asian nation however their utilization is extremely poor owing to some disadvantages. One such serious disadvantage is privacy and safety. Donor Contacts may be simply accessed by everybody. It causes several issues to

the top user. All apps that are accessible within the play store focuses the property between the donors and therefore, the recipient at fewer intervals. The B-Door app was created to protect the donor's privacy and donor identity, as well as the recipient's safety, using the J48 decision tree algorithm. The proposed solution attempts to provide support for both emergencies and reserved time things. The core plan of the applying is to link blood banks, donors with recipients through a licensed hospital, NGO's and alternative establishments to avoid misuse. This Application was developed through Android Studio and Flutter UI Framework together with base at backside and provides our result on Real time basis.

## **1.6 TITLE-** Determinants of plasma donation

**AUTHOR-** Ms. Antoine Beurel, Bruno Danic , Florence Terrade, Lebaudy.

### **DESCRIPTION:**

The major contribution of Human Sciences in the understanding of the whole blood donation behaviour has been through the study of individuals' motivations and deterrents to donate. However, if whole blood donation has been very widely studied in the last sixty years, we still know very little about plasma donation in voluntary non-remunerated environments. Yet, the need for plasma-derived products has been strongly increasing for some years, and blood collection agencies have to adapt if they want to meet this demand. This article aims to review the main motivations and deterrents to whole blood donation, and to compare them with those that we already know concerning plasma donation. Current evidence shows similarities between both behaviours, but also differences that indicate a need for further research regarding plasma donation.