

# **PLASMA DONOR APPLICATION**

## **PROBLEM STATEMENTS:**

Plasma is commonly given to trauma, burn and shock patients, as well as people with severe liver disease or multiple clotting factor deficiencies. It helps boost the patient's blood volume, which can prevent shock, and helps with blood clotting.

With the number of people affected by Covid-19 infection, the demand for the plasma of recovered patients has also gone up tremendously. The antibodies, which are present in our body, can help someone fight the infection and emerge victorious.

Why plasma Donor application?

Plasma donation saves lives, and the communication between blood/plasma centers and donors plays a vital role in this. Smart apps are now considered an important communication tool, and could be best utilized in plasma donation if they are designed to fit the users' needs and preferences.

Our view:

We plan to make a User-friendly application for users who are in need for plasma or who wish to donate plasma to anyone who are in need.

However, areas of concern, including privacy and confidentiality, should be considered during design and development. Age was identified as a contributing factor that might decrease the likelihood of app usage among donors. The donation center staff focused on the educational features of the app and emphasized the importance of the app providing statistics and sending notifications and reminders to donors.

## **ABSTRACT:**

This system is used if anyone needs a Plasma Donor. This system comprises of Admin and User where both can request for a Plasma.

- Both parties can Accept or Reject the request.
- The person who wants to donate his/her plasma needs to register in our application providing required information which are name, age, blood group, phone number, and location, etc.
- Patients who need plasma can also fill the form to request the plasma. Patients can directly call the donor by taking his/her contact number from the application.
- User can also search based on location they are living.
- Just a single search allows anyone to reach maximum number of plasma donors in minimum possible time .