

## **PLASMA DONOR APPLICATION**

The *Plasma-Therapy* is an approach to treat the COVID-positive patients and help them recover. Plasma Therapy is considered to be safe. A person who recovered from COVID can donate his/her plasma to a person who is infected by Corona-virus.

### **Problem:**

During the COVID 19 crisis, the requirement of plasma became high and the donor count being low. It's very difficult to find the respective blood group donors when anyone is in need.

### **Use of the Plasma Donor Application:**

This application helps by connecting the donors and the patients by an online application. By using this application, the users can raise request either for plasma donation or requirement. The user can Accept or Reject the request. The donor has to upload their covid – negative certificate in order to donate plasma. We could able to send the request for plasma donors of required blood group with a filter mechanism.

### **Advantages:**

- It will help people to find plasma donor easily.

### **Existing Solutions:**

#### **1. Application Name:** Give Blood by *NHS Blood & Transplant*

NHS Blood & Transplant is a blood donation service in England, who owns the *Give Blood* Application. This application helps people by providing Plasma transplantation, in which the donor can register in online and they can donate plasma in a Transplant Centre by booking an appointment. The user can even

view, change or cancel the appointment. And we could update our personal details. The user could view their recent donation history within the last 05 years.

**URL:** <https://www.blood.co.uk/>

**Disadvantage:**

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- It requires Internet Connectivity. There are people who don't use smartphones. In case he is a plasma donor, we cannot able to send plasma requirement request to the donor.
  - Also, the *Give Blood* application provides service only in England.
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**2. Application Name:** Delhi Fights Corona

The Delhi Fights Corona is owned by the government of Delhi, India. It's the country's first plasma bank. The person has to register for donating plasma. And have to travel to ILBS Hospital in New Delhi for donating plasma. If the person hasn't been tested covid-negative after being tested positive, they can be tested there.

**URL:** <https://delhifightscorona.in/donateplasma/>

**Disadvantages:**

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- The plasma donor or the person in need of plasma has to travel a way, to New Delhi for plasma transplantation (By the way the government arranges for travelling to ILBS Hospital or reimburse your travel cost).
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**Reference:**

<https://nevonprojects.com/instant-plasma-donor-recipient-connector-android-app/>

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