

# GROUP IDEA

Team ID	PNT2022TMID26326
Project Name	Plasma Donor Application
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## ABSTRACT

The necessity of blood has become a significant concern in the present context all over the world. Due to a shortage of blood, people couldn't save themselves or their friends and family members. A bag of blood can save a precious life. Statistics show that a tremendous amount of blood is needed yearly because of major operations, road accidents, blood disorders, including Anemia, Hemophilia, and acute viral infections like Dengue, etc. For them, plasma is needed to recover their illness. Our Purpose is to build a platform with with IBM Cloud which will jointly help to provide the quickest solution to find blood or plasma donor. Closest blood or plasma donors of the same group in a particular area can be explored within less time and more efficiently.

Providing the eligible donor list to patient's relatives to find the donor and providing the plasma availability from nearest plasma savings plant to hospitals helps to get plasma earlier

Accurate and exact location of the plasma donor or details of the nearest plasma donor is very much important in the emergency situations

Emergency notifications or alert messages helps to find the donors immediately, because it helps to find volunteers to donate the plasma and encourage his/her friends to donate plasma

Eligibility of the donor is based on some factors. So to check if donor is eligible to donate the plasma it is very important to check the criteria based on the vaccination, age, height, weight and etc...

The verification of the patient's detail helps the donors satisfy and explains how it helps the patient recover via the plasma donations.

### *Harshini S*

- Providing the accurate and updated user data with contact details helps to find the plasma donor easily.
- The Plasma Availability of nearest plasma saving plant also important to save the life.

### *Aravindh R*

- The accurate location of the plasma donor helps to create the plan to save the life .
- The emergency notifications to request of the plasma donor helps to get donors in easy way.

### *Amrita varsheni A*

- The correct updated list of donors helps to find plasma donor easily.
- The availability of the donor list is mainly accessed by the hospital as it helps in case of emergency.

### *Deepak M*

- After some vaccination the donors are not eligible to donate plasma, so there is an important check for eligibility.
- Not only request of plasma donations is notified, also the eligibility notification is send to self confirm the eligibility.

### *Anantharamar A*

- The easy understandable application is helping to save life most of the time.
- Verification of the patient details is also important . Because, sometimes rumours make donors irritated.