

Ideation Phase
Problem Statements

Date	21 September 2022
Team ID	PNT2022MID14769
Project Name	PLASMA DONOR APPLICATION
Maximum Marks	2 Marks

Customer Problem Statement:

PLASMA DONOR APPLICATION

The main role of plasma is to take nutrients, hormones, and proteins to the parts of the body that need it. 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. During the pandemic especially during the lockdown, period patients were unable to get plasma and the donors who are ready to donate also could not donate because of the pandemic.

This can be rectified with the help of the plasma donor application through this application patients and donors both can request and donate plasma based on their needs.

Efficient features of the application are:

- Patient can register their details and the need for receiving plasma in the application.
- Donors can register their details and donate their plasma. They will be updated about the plasma donated by them received by how many patients.
- The users can also request a specific blood group and they can get the response from the application that the donor is available.

- Regularly updates the patient's requests and donor's availability.
- Patients and donors can use the remote option as the authorized medical personnel will come to collect/ deliver the plasma.

Problem Statement	User Role	Operation	Challenges	Reason
PS -1	Patient	Receives plasma	Donor not available most of the time and has to wait for along time. Need to go to the hospital every time remote option is not available.	No connection between the donor and the patient
PS - 2	Donor	Donates Plasma	Trusted interface not available as donors think their data may be sold in the black market or their details might be leaked	No trusted interface to directly connect donor and patient.