

PROJECT DESIGN PHASE - I
PROPOSED SOLUTION TEMPLATE

Date	24th September 2022
Team ID	PNT2022TMID30917
Project Name	Project – Plasma Donor Application

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The need for plasma surged significantly during the COVID 19 crisis since there were no vaccines available to treat the infected patients. Finding a plasma donor in such a case was extremely difficult, and determining which donors are eligible to donate plasma as well as whether they had previously been infected and have recovered was a difficult effort. We are putting forth a concept in which we will connect the plasma donor and requester in a novel approach in order to create an application that is user-friendly and has more features for better servicing the public.
2.	Idea / Solution description	We will be developing a web application that allows users to look up available donors. A donor must fill out the website's registration form with their information. Users who have registered have access to data on the number of donors for each blood group. The database will have all the information. Users can request certain blood groups at any time, and the concerned blood group donors will be notified of the request.
3.	Novelty / Uniqueness	1. Review systems enable people to know more about blood banks and hospitals. 2. Chat system between the Donor and the Patient

		<p>3. Push notifications for Donors to accept the request since it is triggered as soon as request is posted.</p> <p>4. The health condition of the donor or receiver is sent through the app.</p>
4.	Social Impact / Customer Satisfaction	<p>Our website application may contribute to a reduction in mortality and provide assistance to those in need of plasma donations. Saving the donor information and informing the list of active donors about the needy will provide a helping hand.</p>
5.	Business Model (Revenue Model)	<p>Through partnerships with NGOs and hospitals, the company can monetize our application.</p>
6.	Scalability of the Solution	<p>1. We have created an application to solve every issue that the present offline as well as online systems experience in order to encourage people to donate plasma and to assist patients obtain plasma in emergency situations.</p> <p>2. Since the program is hosted in the cloud, a large number of users can access it.</p> <p>3. Using this application, we will be able to contact plasma banks and hospitals as well as privately registered donors if a patient needs plasma in an emergency.</p>