

Project Design Phase-I
Proposed Solution

Date	06 October 2022
Team ID	PNT2022TMID02921
Project Name	PLASMA DONOR APPLICATION
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<p>Due to a lack of awareness regarding plasma donation, there is a demand for plasma donors, making it challenging for the affected patients to locate donors. During the COVID-19 pandemic, the need for plasma increased and the donor rates decreased in order to provide an immunity boost for COVID-affected patients. Our application enables the patients to quickly and easily locate the correct donor within the allocated period.</p>
2.	Idea / Solution description	<p>The issue will be resolved by our application, which will also simplify and improve situations at crucial times.</p> <p>We have an admin who will be managing hospital / plasma donor centers details and plasma donors details and authorize them. The users registered in our application will be notified when there is a requirement of plasma in hospitals and guide the donor to the respective hospitals / plasma donor centers. So, that waiting time for the patients to get plasma gets reduced and can save the lives of the patients suffering from various diseases. We also initiated a program to support and guide students and various organizations, who are interested in organizing plasma donation camps and bringing awareness among the public can register in our application and we guide them to donate it to authorized hospitals and plasma donation centers.</p>

3.	Novelty / Uniqueness	<p>Our plasma donor application's goal is to raise public knowledge of the advantages of plasma donation and to encourage people to donate plasma to approved plasma donor centers or hospitals where it is required. Secondly, we have a function that allows universities that plan plasma donation camps to register for our application. We will provide them with direction and support so they may effectively plan camps and donate plasma to hospitals that need it for the patient.</p>
4.	Social Impact / Customer Satisfaction	<p>Our project intends to increase public knowledge of plasma donation, help patients find the correct donor within a certain time frame, and save the lives of those suffering from various diseases.</p> <ul style="list-style-type: none"> ● Guidance video to use the web application for the users. ● Helpdesk team will be provided for answering the queries. ● Chatbot for help assistant. ● Feedback option is available. ● Awareness of the institutions organizing plasma donation and steps to follow. ● Push notifications directly from the web browser to mobile.
5.	Business Model (Revenue Model)	<p>A free app is available to plasma donors. It is easily accessible and open to everyone. Due to the challenges in locating donors who fit a specific blood group, this tool enables users to register people who want to donate plasma and retain their information. By notifying current donors, it would be beneficial to keep donor information on Database. The need for plasma increased significantly during the COVID-19 crisis, yet there aren't enough donors available. It is possible to provide a donation option. This application is non-profit, thus it depends on these donations to keep providing its service.</p>

6.	Scalability of the Solution	The scalability of our project is to use an online application to link donors and patients. Users of this application have the option to post a request for plasma donation or a need and a user can be a giver as well as a borrower.
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