

Project Design Phase-I
Proposed Solution Template

Date	11-10-2022
Team ID	PNT2022TMID43624
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	During the COVID-19 crisis, the requirement for plasma increased drastically as there were no vaccinations found to treat the infected patients. In such a situation it was very difficult to find the plasma donor, checking whether the donor was infected previously and was recovered, and which donor is eligible to donate plasma was a challenging task. As plasma therapy was one of the ways to treat the infected patients getting the donor details played a major role
2.	Idea / Solution description	<p>Plasma donor is an application which will make things easier and efficient at crucial times. Some of the features are :</p> <ul style="list-style-type: none"> • This method helps the users to check the availability of donors. • The user and the donor both register all relevant information. • A donor has to register on the website by providing their details. • The registered users can get information about the donor count of each blood group. • The database will have all the details such as name, email, phone number, and infected status. • Whenever a user requests for a particular blood group then the concerned blood group donors will receive the notification regarding the requirement.
3.	Novelty / Uniqueness	<ol style="list-style-type: none"> 1. A visual representation will be used to display the statistics for the blood group availability data for plasma donation. 2. Donors will obtain e-certificate for donating plasma once they have

		<p>completed their session according to schedule.</p> <p>3. Here donor or Recipient no need to pay any money for registering or plasma donation. 4. This application Shows plasma related Doubts and benifit in the Description Section. 5. User friendly for all kinds of ages person.</p>
4.	Social Impact / Customer Satisfaction	<p>1. despite the apparent abundance of resources, there are still cases where hospitals or blood banks run out of essential resources, such as specific blood type shortages.</p> <p>2. Donating plasma helps save and improve the lives of thousands of people around the world.</p> <p>3. This application helps to eradicate certain spam messages and emails circulating regarding fake or already satisfied blood emergencies.</p> <p>4. A single platform for maintaining all genuine blood-related activities and information increases the trust of the public to get involved in these activities, and to participate in blood donations.</p> <p>5. The recipient can easily find the donor all over the world without crossing his doorstep via mobile Phone or laptop</p>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> An unpaid software exists for plasma donors.It is with ease to be had and handy through all. Due to the issue of finding donors who in shape a positive blood group, this software enables customers to sign up folks who desire to donate plasma and hold their facts in a database. By informing the cutting-edge donors of the want, saving the donor facts would assist. The want for plasma increased extensively throughout the COVID 19 crisis, and the variety of donors is limited. In the end, operating with the authorities can use an app to resource the ones in want of plasma.
6.	Scalability of the Solution	<p>1. This system can be used by any User who wants to donate or find a donor for Plasma.</p> <p>2. This could be used in Hospitals, Labs, and Health Clinics.</p> <p>3. This application assists user in finding the closest blood center, knowing their</p>

		<p>eligibility to donate blood, and receiving notifications.</p> <ol style="list-style-type: none">4. A current donor profile will be used, containing details such as the donor's present location, blood type, and the date of their most recent donation, among other things.5. The suitable donors will be cleverly informed of the demand for blood donations, making it easier to locate a suitable local donor at the right time.6. App already filters the Active Members.
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