

Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID40310
Project Name	Plasma Donar Application
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Blood banks are required to maintain account of blood bags in the inventory. This increases with each blood donation recorded in our system and decreases as they are checked out upon hospital requests. Our system will need to keep the information up to date to ensure correctness of the inventory.
2.	Idea / Solution description	To develop a system that provides functions to support donors to view and manage their information conveniently. To maintain records of blood donors, blood donation information and bloodstocks in a centralized database system.
3.	Novelty / Uniqueness	Donors who wish to donate plasma can donate by uploading their COVID19 recovery certificate on the donor's page. If the donor is new, they must register before log in. If the donor is an existing user they need to login. Username and e-mail provided at the time of registration.
4.	Social Impact / Customer Satisfaction	Interestingly there are many people across the world interested in donating blood when there is a need, but those donors don't have an access to know about the blood donation requests in their local area. This is because that there is no platform to connect local blood donors with patients.
5.	Business Model (Revenue Model)	Focused on specific phases/aspects of blood collection. Not based on the benefits monetization. Focused on actors other than blood donors.

6.	Scalability of the Solution	<p>Blood bank around the world often struggle to collect sufficient quantities of blood, plasma, and other components to meet the needs of the large and growing number of patients who rely on transfusions and blood-derived therapies for survival. Several blood collection organization have explored the use of both behavioral nudges and economics incentives, with varying degrees of success.</p>
----	-----------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------