

Project Design Phase-I  
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID02610
Project Name	Project - Plasma donor application
Maximum Marks	2 Marks

Proposed Solution :

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	In regard to the problem, an application is to be built which would take the donor details, store them and inform them upon a request.
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	The application is user friendly and anyone with basic knowledge can access it. The application seamlessly connects the donor and the person who need it and also hospitals who have availability of the plasma.
5.	Business Model (Revenue Model)	People will get used to this application, by collaborating with government and organizing blood donation camps.
6.	Scalability of the Solution	Since the app is going to store its data in cloud, it will continue to be efficient when large number of people uses it. Also when the number of requests for plasma increases, the call notification system will work fine without any disruption.