Project Design Phase-I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID11597
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	During COVID 19 crisis the requirement for plasma increased drastically as there were no vaccination found in order to treat the infected patients, with plasma therapy the recovery rates where high but the donor count was very low and, in such situations, it was very important to get the information about the plasma donors. Saving the donor information and notifying about the current donors would be a helping hand as it can save time and help the users to track down the necessary information about the donor.
2.	Idea / Solution description	In order to address the above problem, we are proposing in devising a Plasma Donor Management Application so that users are able to get proper tracking of Donors in a responsible way and are able to get the timely delivery of the required medical assistance with blood plasma which can potentially save lives.
3.	Novelty / Uniqueness	Our vision's to put together a holistic application for the Plasma Donation cycles. We will implement a blood donation slot appointment for the donation phase, Locations of nearby blood camps. We have also planned to put together the perks and points feature where

		people are awarded coupons and gift cards for donation blood which they can redeem later. We have also planned to implement a push notification to donor whenever their blood is being used for the medical purposes so that the donors can feel included throughout the blood donation cycle.
4.	Social Impact / Customer Satisfaction	The social impact of our project is immense. By projecting the blood donors as heroes and giving them perks and contests we would be able to attract more and more people to donate blood. Moreover, the idea of slotting blood donation appointments will streamline blood donation process. People who urgently need blood can always browse our application for nearby blood banks for their blood needs.
5.	Business Model (Revenue Model)	The Revenue model for our application is Sales driven. The Order of Blood from our application will be charged some amount of fees. We can get commission payments from listed blood camps. Moreover, we can also conduct Donation Campaigns.
6.	Scalability of the Solution	The scalability of our solution depends upon the initial success and revenue generated from our application. With more revenue we can also facilitate delivery of blood to the hospitals and put forward a subscription-based model with the Hospitals themselves. With more and more customers we can also monetize the customer blood requirement data for analytics purposes.