Project Design Phase-I
Proposed Solution

Date	12 October 2022
Team ID	PNT2022TMID29587
Project Name	Project – Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	It deals with notifying the concerned donor upon request by the patient in need of Plasma. The project provides quick access to donors for an immediate requirement of plasma. In case of an emergency, plasma procurement is always a major problem which consumes a lot of time. This helps serve the major time-lapse in which a life can be saved!
2.	Idea / Solution description	Web application is built to store donor details and provide to the patients on need. When a patient gives request it will search donor based on their blood group and nearby location and suggest to the patient. And it allows hospitals to find suitable donor.
3.	Novelty / Uniqueness	Real time location based on filtering. While searching for donor, the app will sort according to the location. Chat bot will allow users to ask queries and doubts, it will respond accordingly. Each and every user who is registered as donor will be verified. It is created on the basis that everyone can easily access to it and it has very simple user interface so there is no problem for the people who have less knowledge i.e., in simple language.
4.	Social Impact / Customer Satisfaction	Can find donor very fast and prioritizing donor who is nearby patients location. It will be minimalistic website so that it will consume less user's data and can load faster. Donor can find hospital easily where plasma is needed; If this process takes place continuously, we can build a healthy society.
5.	Business Model (Revenue Model)	Ad based model and some promotional notifications. Provides some additional services like health check-up, blood test and record management.

6.	Scalability of the Solution	It is designed to respond quickly upon user's request. It can be easily modified according to the usage of the user and it updates automatically for the donor's history for the donation period. It can be work in the full efficiency when there are many number of users access to the application at a time without any issues.