Project Design Phase-I
Proposed Solution

Date	10 October 2022
Team ID	PNT2022TMID31299
Project Name	PLASMA DONOR APPLICATION
Maximum Marks	2 Marks

Proposed Solution:

S No	Parameter	Description
1.	Problem Statement (Problem to be solved)	During the COVID 19 crisis, the need for plasma increased, while the number of donors has decreased. To create an application for people who want to donate their plasma for the people who need it mostly in times of emergency.
2.	Idea / Solution description	Plasma donor is an application which will make things easier and efficient at crucial times and to solve our problem statement. The application will allow people to register in the portal to donate their plasma, and recipients who need it will be able to see their information so that they can receive the plasma.
3.	Novelty / Uniqueness	If there isn't enough plasma available when the user makes a request for plasma transmission, the user will be put on a hold back list right away. The waiting receiver on the hold back list will be informed via calling system later when plasma becomes available.
4.	Social Impact/ Customer Satisfaction	Anyone with a basic understanding of computer usage can utilise the application. The programme easily connects the plasma donor with the recipient of the donation as well as hospitals with available plasma.
5.	Business Model (Revenue Model)	The software is free to use and is under the healthcare category. It aids those seeking to provide plasma to those in need. The cost of creating the application is decreased overall because to the ability to store data in the cloud using IBM DB2.
6.	Scalability of the Solution	The application is useful for the people who need plasma for their health concerns. 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.