Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID32355
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
•	Problem Statement (Problem to be solved)	During the COVID-19 crisis, the requirement of plasma became high and the donor count being low. Saving the donor information and helping the need by notifying the current donors would be a helping hand. It is very difficult to find the respective blood group donors when anyone is in need.
•	Idea / Solution description	The application will enable people to register themselves in the portal for donating plasma then the application would take the donor details and store it in the cloud storage. When the recipient has made a request for particular plasma then the application will inform them upon a request.
•	Novelty / Uniqueness	User friendly UI to access the application by all the people. The app will automatically scan the database for available users registered as donor to find the suitable match. If a user doesn't have matching plasma based on their type, they can send a request for it. If a successful match is found then plasma donation will establish. Else the request stay in the database until the suitable donor found in future.
•	Social Impact / Customer Satisfaction	Find the donor in nearby places. Connect the donors and recipients easily. Chabot is available for queries.
•	Business Model (Revenue Model)	This application is completely developed on service basis. All stakeholders can be used. Example: User, Blood bank, Hospital. This application will be for non- profit organizations.

•	Scalability of the Solution	This project is developed as a web application, so the user can access the application from any platform. Since the project uses IBM DB2 database it will handle with multiple requests in various regions. This application uses cloud storage and any further enhancement can be incorporated within this application.