Project Design Phase-I
Proposed Solution

Date	29th September 2022
Team ID	PNT2022TMID08834
Project Name	Project – Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• When the details are maintained manually,it is complicated for donors and patients. • Making such an application which is user friendly as well as has more features for serving the people better, we are proposing a model in which we are going to connect the plasma donor and requester together in a unique way
2.	Idea / Solution description	• Both the donor and patients can register • Statistics on overall donation will be displayed • By using GPS easily track the plasma donor • Reduced workload by storing the details in cloud storage

3.	Novelty / Uniqueness	• User friendly UI to access the web application by all the people • If a user doesn't have a matching plasma based on their blood type, they can send a request for it. • The app will automatically scan the available database of users registered as donor to find a suitable match. • If a successful match is found then a chat box between the donor and recipient is established. • Else the request stays in place in the database until a suitable voluntary donor is found in future. • Voluntary donors can fill out an application form and make an appointment for plasma donation. • Once they have finished their donation, they will be given their ecertification for plasma donation.
4.	Social Impact / Customer Satisfaction	• Find the donors in near places • Connect the donors and patients easily • Chatbot for queries • With all of the authenticated information, this platform will assist the public in donating or obtaining their plasma needs.
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	• The aim is to build a Lifesaver EPlasma Donation App using Cloud with advanced features that will help to overcome the barrier between plasma bank, plasma donor and patient • Since the project uses IBM DB2 database it can handle with multiple requests in various regions • As this is an web application and uses cloud storage ,any further enhancements in technology can be incorporated within this application.