Project Design Phase-II
Solution Requirements

Team ID	PNT2022TMID35253
Project Name	Project - Plasma donor application
Maximum Marks	4 Marks

FUNCTIONAL REQUIREMENTS

The functional requirements of Plasma donor application are:

S.No	Functional requirement	Sub Requirement(Story)
FR-1	User Registration	After downloading the app,the user has to sign up (i.e) register through a new account or gmail or linkedin and so on.
FR-2	User Confirmation	Once the User signs up,confirmation message will be sent via OTP or gmail.
FR-3	Statistics about plasma	The availability of plasma/blood and their complete detail is given.
FR-4	Donor Camps	Information about plasma donor camps conducted across the areas.
FR-5	User Request	If any User is in need of plasma,they have to enter the requirements about the plasma.If the needed type is available,they get the return info.
FR-6	Receiver- donor communication	The donor info will be available in the app with the respective donor's consent.The user and the donor can contact if needed.
FR-7	Chatbots	Chatbots are like virtual assistants and users can communicate with them in case of help or queries.

NON-FUNCTIONAL REQUIREMENTS

The non-functional requirements of Plasma donor application are:

S.No	Non-functional requirements	Description
NFR-1	Usability	The user interface must be well designed and should be user-friendly.
NFR-2	Security	Every user must have their own password to secure their accounts.A database has to be maintained to store all user info.It should contain different tables which store receiver info,donor info,camps,blood bank info etc..
NFR-3	Reliability	The system must be reliable in every means.Every user's information will be maintained in a secure manner.The donor info won't be published in the app without their consent.
NFR-4	Performance	Performance of the system should satisfy the user.Every info published in the website should be verified.The system should respond to every user anytime apart from system crash.
NFR-5	Availability	The system should be available to users anytime. (i.e) Both online and offline components of the system should be available 24x7.
NFR-6	Scalability	The system shouldn't crash if the number of users using at a time increases.It should be scalable with growing number of users and increased space of data without any compromises.