Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID10877
Project Name	Plasma Donor Application
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Problem	If Donors are not available in case of emergency the user request is forwarded to the blood bank immediately If User not able to raise the request for Plasma, then admin contact details are available to help user to immediately resolve the issue.
FR-4	Request raised by User	Request for plasma is raised by the user and it will be Notified to the available donor near to the user location. If the donor is not available for long time, then the donor is marked to be offline
FR-5	Donor Verification and Rewards	Donor will be rewarded with batches for an active participation of regular plasma donation Donor will be verified with all their medical certificates for every 6 months

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user might know the software to raise the request for the plasma donation-Contact us page will be available to help the user to raise the request
NFR-2	**Security**	The donor data in the database will not accessed by unauthorized people. The verified donor in the database is allowed to donate the plasma.
NFR-3	**Reliability**	The database allowed to rollback the donor data in case of failure occur in the software.
NFR-4	**Performance**	The front-page load time must be no more than 2 seconds for users that access the website using an LTE mobile connection.

NFR-5	**Availability**	The new update available in the software that are ready to deploy must not affect the functionality of the software
NFR-6	**Scalability**	The software traffic limit must be scalable enough for the upcoming more users at a time.