

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

Date	03 October 2022
Team ID	PNT2022TMID02899
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Certification	Rewards in the form of coupons should be sent to donor email.
FR-4	Searching/reporting Requirements	Chatbot to filter and choose the required donor.
FR-5	Finding donors	Using ML algorithm for finding nearby donor
FR-6	Eligibility of Donor/Recipient	Check if the donor/recipient is medically fit.
FR-7	Notification	Send notification to all donors in case of emergency

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User friendly interface with easily accessible, well looking and interactive chatbots.
NFR-2	Security	Only registered user should be able to view the details of the donor/recipient. Details of the donor/recipient should be kept secure.
NFR-3	Reliability	The system should be built in such a way that it is reliable in its operations as well as to secure the sensitive details.
NFR-4	Performance	The system should be able to handle a large number of users and should not get disrupted while using the system application.
NFR-5	Availability	The application should be available for all users at all times, and not be disrupted due to any internal issue or server issues
NFR-6	Scalability	The idea can be scaled for further requirements, by adding google calendar support for checking their date of donation.

