

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

Date	15 October 2022
Team ID	PNT2022TMID48200
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 Message Confirmation via OTP
FR-3	Certifications	The certificate of appreciation and authentication will be provided for the donors.
FR-4	Statistical data	Plasma availability is provided on the page as statistics that will be useful for users.
FR-5	User Plasma Request	The recipient who needs plasma can fill the request form in the web page. The confirmation mail has been sent when the request is submitted.
FR-6	Searching/Reporting requirements	Users are able to use the search bar to search for information about campus and others.
FR-7	Virtual Assistants	A virtual assistant is created to answer user questions about Plasma Donation. This will perform the function of a person in responding to user queries, where it will respond based on the information stored.

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	Data of donor and recipient should be saved in a secured manner.The user can only logged in using the correct password and username.
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	Users should have a proper internet connection.
NFR-5	Availability	The system should have efficient active service. Must be available all times. Incase of hardware or database corruption,backups of the data should be retrieved from the web application.
NFR-6	Scalability	The system should be scalable to handle a large number of users and should not get disrupted while using the system application.