

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

Date	15 October 2022
Team ID	PNT2022TMID29587
Project Name	Project – Plasma Donor Application
Maximum Marks	4 Marks

Functional Requirements:

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
FR-3	User Plasma Request	Users can request to donate plasma by filling out the request form on the page. Once the request is submitted, they will get an email.
FR-4	Statistical data	The availability of plasma is given in the page as stats, which will be helpful for the users to locate the donor or to find plasma needed patient.
FR-5	Virtual Assistants	A virtual assistant is a software agent that can carry out tasks or provide services on behalf of a person in response to commands or inquiries. When users enter their inquiries, the system will respond with pertinent information about plasma and details of plasma donation.
FR-6	Creating donor profile	Volunteer Donor able to create their donor file by providing their medical information and past donations in the form to maintain regular intervals.
FR-7	Virtual donor cards	Active donor will get a virtual donor card represents their donation activity.
FR-8	Certification	After the donor donates plasma, we will give them a certificate of appreciation and authentication.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User must feel easy to perform all the operation supported by the system and it should contain the user friendly UI and UX.
NFR-2	Security	The system must be in the way the authorized user can only access to the application in order to avoid the spam. . It must be secured with email Id and password.
NFR-3	Reliability	The system has the ability to work all the times without failures apart from network failure. A donor can have the faith on the system. The authorities will keep the privacy of all donors in a proper manner. It gave the reliable information to the user, because the register donors are well reliable person. So reliability is high.
NFR-4	Performance	The system must be able to perform in terms of responsiveness and stability under a particular work load. The Plasma donor System must perform well in different scenarios. The system is interactive and delays involved are less.
NFR-5	Availability	The system, including the online components, should be available 24/7. It is available for each and everyone with the authorized credentials. Made publicly available a new dataset formed by a set of plasma donor s profiles and a set of patient collected from different search engine sites.
NFR-6	Scalability	The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience. The system offers the proper resources for issue solutions and is designed to protect sensitive information during all phases of operation.