

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

Date	13 Oct 2022
Team ID	PNT2022TMID45457
Project Name	Project - PLASMA DONOR APPLICATION
Maximum Marks	4 Marks

**FUNCTIONAL REQUIREMENTS :**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Must have a good looking User friendly interface.
NFR-2	<b>Security</b>	It must be secured with the proper username and password.
NFR-3	<b>Reliability</b>	The system should be made in such a way that it is reliable in its operations and for securing the sensitive details.

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 (WebApp)
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Certification	After the donor donates plasma, we will give them a certificate of appreciation and authentication.
FR-4	Statistical data	The availability of plasma is given in the page as stats, which will be helpful for the users.
FR-5	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-6	Searching/reporting requirements	Users can use the search bar to look up information about camps and other topics.
FR-8	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.

## NON FUNCTIONAL REQUIREMENTS :

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

NFR-4	<b>Performance</b>	Users should have a proper Internet Connection.
NFR-5	<b>Availability</b>	The system including the online and offline components should be available 24/7.
NFR-6	<b>Scalability</b>	The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience.