

PROJECT DESIGN PHASE - 1
SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)

Date	27 October 2022
Team ID	PNT2022TMID17803
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 in Web Application Registration through Gmail Registration through Google Account Registration through Mobile Number
FR-2	User Confirmation	Confirmation via Registered Email ID Confirmation via OTP
FR-3	User Check-in	In-App Registration for Donors (Interested individuals) In-App Registration for Receivers
FR-4	Donor Eligibility Check	Donor information will be collected and eligible donors will be put front for plasma donation
FR-5	Receiver - Donor Search	Receiver will search the compatible donor with their custom priority
FR-6	Confirmation	Donor information will be shared with receiver for further process
FR-7	Information Sharing	Information about blood plasma donation process, blood plasma camps, and health centers will be uploaded

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Every eligible individual can feel free to check on and register themselves for plasma donation
NFR-2	Security	Donor and receiver information is protected and only released upon acceptance
NFR-3	Reliability	Application can provide true and timely information about donors and reach receivers immediately
NFR-4	Performance	Application would be interactive and engaging for both donors and receivers
NFR-5	Availability	Available donors will be given priority based on the receivers request
NFR-6	Scalability	Major amount of donor or receiver information can be gathered and stored with a simple database structure.