

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

Team ID	PNT2022TMID02933
Project Name	Plasma Donor Application

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 our website
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Email alert	Using send grid to notify users
FR-4	Eligibility of Donor	Proper medical information must be provided by Donor
FR-5	Validation of Patient	Plasma request must be validated properly
FR-6	Handle User Queries	Using a Chatbot for FAQs
FR-7	Donor Profile	Maintain and display donor's medical and contact information

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Anyone should be able to use the product effortlessly
NFR-2	Security	Sensitive details must be store securely (like medical information)
NFR-3	Reliability	Application must be usable even with lower bandwidth
NFR-4	Performance	Application must be able to perform up to at least 10,000 request per second
NFR-5	Availability	Application must be available for 24/7
NFR-6	Scalability	Application must be capable of handling huge number of users