

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

Date	12 October 2022
Team ID	PNT2022TMID25930
Project Name	Project - 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 login	Registration User Registration through Gmail or phone number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Online donation Request processing	Request plasma with blood type Filter Searching plasma similar to blood type Notify when Donor appears
FR-4	Online donation Receive processing	Notification shows Donor details in hospitals Shows medical history of Donor Shows hospital location
FR-5	Chat Bot	User Chat flow is Starting with intents Fetching a response follows the rules set by the bot builder Retrieve data from your database Make an API call to get results matching intent
FR-6	Waiting List	Filter Searching plasma similar to blood type Searching result not successful Put user in waiting list Notify when Donor appears

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	One brain dead donor can save up to eight lives of people suffering from end-stage organ failures It save patient from emergency situation
NFR-2	Security	It provide security to user personal data It avoid leakage of data
NFR-3	Reliability	When the user requests for plasma transmission, if there is lack of plasma at the time of request, automatically user will be marked in hold back list Later when there is availability of plasma ,the receiver waiting in hold back list will be alerted via calling system
NFR-4	Performance	It provides quick and accurate information. This can make a query from people into action, thus saving multiple lives
NFR-5	Availability	Responsiveness -App should be supported by all sized devices Storage - App will use minimal amount of storage which reduces the customer's burden
NFR-6	Scalability	Since the app is going to store its data in cloud, it will continue to be efficient when large number of people uses it. Also when the number of requests for plasma increases, the call notification system will work fine without any disruption.