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

Date	17 October 2022
Team ID	PNT2022TMID12996
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 Registration	Registration through Mobile Number Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Validation	Donor – Check health conditions Patient – Check credibility of user
FR-4	Chatbot	Help the user understand the process and navigate the website
FR-5	Search	Patient enters details to search for compatible donors
FR-6	Request	Patient can send a donor request to obtain their plasma
FR-7	Email notification	Donor will get notified through email when a compatible patient places request
FR-8	Donation completion	Patient and Donor to confirm completion of donation

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The user experience must be simple and the user must be able to perform all actions available on the platform
NFR-2	**Security**	The database layer and the logic layer are hosted using IBM services, hence the security of all data involved in the process is kept secure
NFR-3	**Reliability**	All processes involved in the platform must be uniform whenever accessed. It must also function without any bugs and errors
NFR-4	**Performance**	Immediate feedback from the platform is provided to user, so they are not discouraged to use the application
NFR-5	**Availability**	The application must be usable at all time, the database and servers need to be available and reachable anytime from anywhere
NFR-6	**Scalability**	The platform must adapt so that it can support a high volume of concurrent users. Meanwhile, the platform must also be loosely couples to ensure it can scale vertically too, by adding more functionality