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

Date	15 October 2022
Team ID	PNT2022TMID52216
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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Usern login	Operator has registered then the software operator should be able to login to the web application.The login information will be stored on the database for future use.
FR-4	Request plasma	Should be able to request plasma in an emergency situation,software operators need to define plasma group,location,require data,contact. The plasma request will be sent to the plasma bank and then Inventory to check the availability.
FR-5	Plasma stock	Receiving the plasma request from the clinic the plasma stock in the plasma bank Inventory will be searched to match the requested plasma request.Thus match plasma units will be sent to the clinic.
FR-6	Distribution status	If the distribution seems to be delayed then the clinic manager must be able to call the distribution person to get the update revise on the distribution.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	**The cost of the plasma units are standardized.**
NFR-2	**Security**	**Any donor can't see any details of any other donor.If a donor does not manage to provide hii user name and a password three times the user automatically will log out from the website.**
NFR-3	**Reliability**	**The system has the ability to work all the time without failures apart from network failure.A donor can have faith in the system.When the doctors found any disease in the testing stage after providing details to the donor the system keeps the secret of the donor.**
NFR-4	**Performance**	**The system is interactive and the delays involved are less.When connecting to the server the delay is based on the distance of the 2 systems and the configuration between them so there is high probability that there will be or not a successful connection in less than 20 seconds for the sake of good communication.**
NFR-5	**Availability**	**The system should be available all times, meaning the user can access it using application.In case if a hardware failure or database corruption,a replacement page will shown.Also in case of a hardware failure or database corru[tion,backups of the database should be retrieved from the application data folder and saved by the administrator.**
NFR-6	**Scalability**	**In the application to handle an increase in workload without performance degradation,or its ability to quickly enlarge.The solution must allow the hardware end of the deployed software services and components to be scaled horizontally**

| | | as well as vertically. |