Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Date	08.11.2022
Team ID	PNT2022TMID13363
Project Name	Plasma Donor Application
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User friendly interface with easily accessible, well looking and interactive chatbots.
NFR-2	**Security**	Data of donor and recipient should be saved in a secured manner. The user can only log in using the correct password and username.
NFR-3	**Reliability**	The system should be built in such a way that it is reliable in its operations as well as to secure the sensitive details.

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 Message Confirmation via OTP
FR-3	Certifications	The certificate of appreciation and authentication will be provided for the donors.
FR-4	Statistical data	Plasma availability is provided on the page as statistics that will be useful for users.
FR-5	User Plasma Request	The recipient who needs plasma can fill the request form in the web page. The confirmation mail has been sent when the request is submitted.
FR-6	Searching/Reporting requirements	Users are able to use the search bar to search for information about camps and others.
FR-7	Virtual Assistants	A virtual assistant is created to answer user questions about Plasma Donation. This will perform the function of a person in responding to user queries, where it will respond based on the information stored.

Non-Functional Requirements:

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

NFR-4	**Performance**	Users should have a proper internet connection.
NFR-5	**Availability**	The system should have efficient active service. Must be available all times. In case of hardware or database corruption, backups of the data should be retrieved from the web application.
NFR-6	**Scalability**	The system should be scalable to handle a large number of users and should not get disrupted while using the system application.