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

Date	03 October 2022
Team ID	PNT2022TMID38699
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 Website Registration through Application
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP User login, use PIN system Creating/open new account registration User account details Change Password and PIN
FR-3	Administrator	If you login as an Admin then you will be redirected to the Admin Home Page and if you are a simple user you will be redirected to your Account Home Page. Like, Account Information The admin Add/delete/update account Active/Inactive account User details list
FR-4	Customer care	Regularize the Send grid service. Using a chatbot to get any kind of service.
FR-5	About Session	Knowledge phase about blood donation, Photo Gallery, Videos Comments.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Blood bank Management System must have a good looing user friendly interface. Plasma donor Application is very useful to the emergency situation patient, because this application gives the information about the nearby plasma donors and request to donate their plasma to patient via email , SMS etc.

NFR-2	**Security**	The Blood bank Management System must be secured with proper user name and passwords. The user data was stored in the secured database. Very secured website and application that provides various security features like Email Verification, OTP password etc.
NFR-3	**Reliability**	It gave the reliable information to the user, because the register donors are well reliable person. So reliability is high.
NFR-4	**Performance**	The Blood bank Management System must perform well in different scenarios. Carrying out an evaluation to quantify empirically the recommendation abilities of two state-of-the-art methods, considering different configurations, within the proposed framework.
NFR-5	**Availability**	The Blood bank Management System must be available 24 hours a day with no bandwidth issues. Made publicly available a new dataset formed by a set of plasma donors profiles and a set of patient collected from different search engine sites.
NFR-6	**Scalability**	The Blood bank Management System must fulfill on storage requirements, today and in the future. The Blood bank Management System must be scale up for increasing volume demands. Scalability problem mainly arise in huge and dynamic data sets which is produced by interactions between user and item such as preferences, ratings and reviews. It is possible that when some recommendation algorithms are applied on relatively small data sets, they provide the best results, but may reflect inefficient or worst behaviour on very large datasets.