Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

Date	17 October 2022
Team ID	PNT2022TMID03517
Project Name	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 LinkedIn ➢ Registration through Gmail
FR-2	**USER CONFIRMATION**	➢ Confirmation via OTP ➢ Confirmation via Gmail
FR-3	**DATA ENTRY**	➢ Collect the data from user ➢ Fill up the appropriate data
FR-4	**ANALYSING DATA**	➢ Analysing data and providing result based on user request
FR-5	**TECHNOLOGY USED**	➢ Docker ➢ DB2 ➢ Flask ➢ IBM Cloud ➢ Kubernets ➢ IBM
FR-6	**PHASES**	➢ Response phase ➢ Request phase

Non-Functional Requirements:

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

FR NO.	NON- FUNCTIONAL REQUIREMENT	DESCRIPTION
NFR-1	**USABILITY**	➢ Finding donor at the right time. ➢ Saving life of people who are in need.
NFR-2	**SECURITY**	➢ Should avoid security misconfiguration. ➢ Must Safeguard your data.
NFR-3	**RELIABILITY**	➢ Final result will be accurate.
NFR-4	**PERFORMANCE**	➢ Filtering of donors will be accurate.
NFR-5	**AVAILABILITY**	➢ It can be accessed at anytime and everywhere.
NFR-6	**SCALABILITY**	➢ Network input/output. ➢ Disk input/output ➢ Memory utilization. ➢ CPU usage.