

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

Date	15 October 2022
Team ID	PNT2022TMID42213
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 (web application)
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	HTML, CSS, flask	Through web application
FR-4	Login portal	Through the web application
FR-5	Donor history	Through the IBM database
FR-6	Donors list based on their locality	Through the IBM database

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application must be user friendly. Users can register and search the donors and donors can register to donate the blood.
NFR-2	Security	User details must be kept secure by using encryption methods. Every user must be authorised properly,
NFR-3	Reliability	Look for websites that specialize in the kind of information you're seeking.
NFR-4	Performance	The performance of the application is based how strong the network connectivity is. Provide the necessary details within the time or as soon as possible.
NFR-5	Availability	The system including the online and offline components should be available 24/7.
NFR-6	Scalability	The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience