

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

Date	14 October 2022
Team ID	PNT2022TMID43621
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 via Website Registration via G-mail Registration via Application
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Text message
FR-3	User profile	User Name User Age User Gender User Weight User Blood Group
FR-4	Required Data	User Age User Gender User Health Conditions User Blood Group Covid Certificate
FR-5	Analysis	Analyze the Donor's Medical history and check for donating Plasma.
FR-6	Estimation	Create the Plasma Donor Application Collect and store Plasma Donor/Recipient details in IBM cloud.

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	<ul style="list-style-type: none"><li>• Navigate to home page</li><li>• Locate Donor's Blood type</li><li>• Find Donor next appointment</li><li>• Find information about quarantine</li></ul>
NFR-2	<b>Security</b>	Aspects of a solution that protect solution content or components from accidental or malicious access or use.
NFR-3	<b>Reliability</b>	Ability of a solution to perform its required functions under stated condition for a specified period
NFR-4	<b>Performance</b>	Degree a solution performs its designated functions with minimum consumption of resources
NFR-5	<b>Availability</b>	Degree the solution is operable and accessible to when required for use
NFR-6	<b>Scalability</b>	Degree with which a solution can grow or evolve to handle increase amounts of work