

## Project Design Phase - II

### Functional Requirements

Team - ID	PNT2022TMID53161
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	<b>Access Website</b>	An application browser or something similar should be able to allow software operators to access web applications.
FR-2	<b>Software operator Registration</b>	The online application should allow the software operator to register. User name, gender, blood/plasma group, location, and contact information are required from the donor software operator.
FR-3	<b>Login/logout/update details</b>	The database will store the login details for further use.
FR-4	<b>Search for donor</b>	You can view the search results as a list. Each item on the list corresponds to a particular donor, complete with donor information.
FR-5	<b>User plasma request</b>	Filling out the request form on the page will allow users to submit a request to donate plasma. They will receive an email once the request has been submitted.
FR-6	<b>View distribution details</b>	The plasma bank should have access to the distribution details status.

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The user interface of the plasma donor application needs to be attractive and functional.
NFR-2	<b>Security</b>	Proper user names and passwords must be used to safeguard the plasma donor application.
NFR-3	<b>Reliability</b>	Even when errors occur, the plasma donor application should function successfully.
NFR-4	<b>Performance</b>	The plasma donor application needs to function well under a variety of circumstances.
NFR-5	<b>Availability</b>	The plasma donor application needs to be accessible around-the-clock without any bandwidth problems.
NFR-6	<b>Scalability</b>	The performance and cost of the plasma donor application should be able to alter in response to modifications in the requirements for application and system processing.