

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 october 2022
Team ID	PNT2022TMID11415
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 Requirment(Story / Sub-Task)
FR-1	User Registration	This allows healthy public to register as volunteer donor.
FR-2	Plasma Stock Management	The Plasma bank staffs can manage the plasma stock starting from the plasma collection to plasma screening, processing, storage through this system.
FR-3	Reporting	The system is able to generate pre-defined reports such as the list of donors, recipients,staffs in the bank.
FR-4	SendGrid	Sends notification to the donor according to the required blood group.
FR-5	New Releases	When a new/update version of the web-application is released, the appearance will be automatically appears when the user access the web-application.

FR-6	Request Blood	User able to request for blood at emergency situation.
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Non functional requirements:

Following are the non functional requirments of proposed solution.

FR.No	Non-Functional Requirement	Description
NFR-1	Usability	The cost of the Plasma Units are standardized.
NFR-2	Security	The system automatically logout the customers after a period of inactivity.
NFR-3	Reliability	If there is extensive damage to a wide portion of the database, the recovery method restores a past copy of the database that was backed up to archival storage.
NFR-4	Maintainability	The Plasma Inventory Manager Maintain correct records of the Plasma Inventory Stock.
NFR-5	Availability	The system including the offline and online components should be available 24/7.
NFR-6	Scalability	Requirements of website extensibility in case there is a need to add new functional requirements.