Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 18.10.2022 |
| Team ID | PNT2022TMID024292 |
| Project Name | Project – 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 Website |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | User Login | Login using Registered email Id |
| FR-4 | Sent Request | If plasma is required, the receiver will contact the donor |
| FR-5 | Contact Donor | Contact the donor directly if a phone number is given |
| FR-6 | View donation camps | View the list of donation camps happening nearby |

# Non-functional Requirements:

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

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The user interface of the plasma donor system must  be well-designed and welcoming. |
| NFR-2 | **Security** | Data storage is required by security systems, just like it is by many other applications. Databases are able to keep all the donor information that is viewed by applications. It must be secured with email Id and  password. |
| NFR-3 | **Reliability** | The system has the ability to work all the times without failures apart from network failure. A donor can have the faith on the system. The authorities will keeps the privacy of all donors in a proper  manner |
| NFR-4 | **Performance** | The Plasma donor System must perform well in different scenarios. The system is interactive and  delays involved are less. |
| NFR-5 | **Availability** | The system, including the online components,  should be available 24/7. |
| NFR-6 | **Scalability** | The system offers the proper resources for issue solutions and is designed to protect sensitive  information during all phases of operation. |