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

| | |
|---|---|
| Date | 03 October 2022 |
| Team ID | PNT2022TMID25505 |
| 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<br>Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email<br>Confirmation via OTP |
| FR-3 | Recipient made plasma request | If the plasma is need |
| FR-4 | Donors have features | Donors will have option to either accept or decline the request. |
| FR-5 | Contact the donor | Requestor to see list of elligibile donors along with contact info for them to make direct request in case of any emergency situation. |
| FR-6 | Notification | Immediately notify the donors upon request. |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | **Usability** | Application that allows the user to register as either donor or recipient of plasma.The user interface of the plasma donor system must be well-designed and very simple to use by everyone. |
| NFR-2 | **Security** | A system's ability to prohibit unauthorized access , usage or behavior modification while providing service to authorized users.It must be secured with the unique username and password. |
| NFR-3 | **Reliability** | The system has the ability to work all the times without failures apart from network failure. User can have the faith on the system. The authorities will keep the details of the users in confidentially . |
| NFR-4 | **Performance** | Users should have a proper Internet Connection.<br>System has high processing speed and quick response time and performs well in different scenarios. |

| | | |
|---|---|---|
| NFR-5 | **Availability** | The system 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. |