

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

|               |                                    |
|---------------|------------------------------------|
| Date          | 18-October-2022                    |
| Team ID       | PNT2022TMID04368                   |
| 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             | Register through the Application  |
| FR-2   | User Confirmation             | Confirmation via Email  |
| FR-3   | User Login                    | Login using Registered email Id   |
| FR-4   | Search Donor                  | Search result can be viewed in a list.It contains the donor informations              |
| FR-5   | Sent Request                  | If plasma is required, the receiver will send the request to the donor                |
| FR-6   | Contact Donor                 | Contact the donor directly if a phone number is given                                 |
| FR-7   | Admin                         | Monitoring the application's general functionality and ensuring the service's quality |

**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 plasma donor application is highly helpful to patients in an emergency case since it provides information about local plasma donors and allows patients to request their plasma by email, SMS, etc. |

|       |                     |   |
|-------|---------------------|---|
| NFR-2 | <b>Security</b>     | Data storage requires a security system, 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 | <b>Reliability</b>  | The system has the ability to work all the times without failures apart from network failure. A donor can have faith on the system. The authorities will keeps the privacy of all donors in a proper manner   |
| NFR-4 | <b>Scalability</b>  | To handle an increase in workload in the application without deteriorating performance, or its capacity to swiftly expand The application has the ability to take on increasing loads and daily active users without performance being compromised and resulting interruptions to user experience |
| NFR-5 | <b>Availability</b> | The system, including the online components, should be available 24/7.  |
| NFR-6 | <b>Performance</b>  | The plasma donor application has to function properly under a variety of circumstances. Less load time is required, and a prompt response indicating that the delay is minimal is required.   |