

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

|               |                          |
|---------------|--------------------------|
| Date          | 16 October 2022          |
| Team ID       | PNT2022TMID05502         |
| 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 (WebApp)  |
| FR-2   | User Confirmation                | Confirmation via Email<br>Confirmation via OTP  |
| FR-3   | Certification                    | After the donor donates plasma, we will give them a certificate of appreciation and authentication.   |
| FR-4   | Statistical data                 | The availability of plasma is given in the page as stats, which will be helpful for the users.  |
| FR-5   | User Plasma Request              | Users can request to donate plasma by filling out the request form on the page.<br>Once the request is submitted, they will get an email  |
| FR-6   | Searching/reporting requirements | Users can use the search bar to look up information about camps and other topics.   |
| FR-8   | Virtual Assistants               | A virtual assistant is a software agent that can carry out tasks or provide services on behalf of a person in response to commands or inquiries.<br>When users enter their inquiries, the system will respond with pertinent information about plasma and details of plasma donation. |

**NON-FUNCTIONAL REQUIREMENTS:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | Must have a good-looking User-friendly interface.   |
| NFR-2  | <b>Security</b>            | It must be secured with the proper username and password.   |
| NFR-3  | <b>Reliability</b>         | The system should be made in such a way that it is reliable in its operations and for securing the sensitive details. |

|       |                     |   |
|-------|---------------------|---|
| NFR-4 | <b>Performance</b>  | Users should have a proper Internet Connection.   |
| NFR-5 | <b>Availability</b> | The system including the online and offline components should be available 24/7.  |
| NFR-6 | <b>Scalability</b>  | The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience. |