

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

|                     |                          |
|---------------------|--------------------------|
| <b>Date</b>         | 22 Oct 2022              |
| <b>Team Id</b>      | PNT2022TMID33146         |
| <b>Project Name</b> | Plasma Donor Application |
| <b>Maximum Mark</b> | 4                        |

#### 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<br>Registration through Linked IN |
| FR-2   | User Confirmation             | Confirmation via Email<br>Confirmation via OTP  |
| FR-3   | Objective                     | Describe what the product does  |
| FR-4   | End result                    | Define product features   |
| FR-5   | Focus                         | Focus on user requirements  |
|        | Documentation                 | Captured in use case  |

#### Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description  |
|--------|----------------------------|--|
| NFR-1  | <b>Usability</b>           | Human Factors, overall aesthetics , consistency and documentation.   |
| NFR-2  | <b>Security</b>            | A system's ability to prohibit unauthorized access , usage or behavior modification while providing service to authorized users.   |
| NFR-3  | <b>Reliability</b>         | Frequency and severity of failure, recoverability, predictability , accuracy and mean time between failures(MTBF).   |
| NFR-4  | <b>Performance</b>         | Processing speed , response time ,resource consumption, throughput and efficiency.   |
| NFR-5  | <b>Availability</b>        | How long a system is available for users . This is time the system is not down due to outages or maintenance activities. Mean Time Between Failure(MTBF) is one metric that helps us characterize system availability. |
| NFR-6  | <b>Scalability</b>         | The ability of solution or system to increase its capacity to serve clients and/or increase processing rates to match demand.  |

