

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

| | |
|---------------|------------------------------------|
| Date | 14 October 2022 |
| Team ID | PNT2022TMID41665 |
| 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 Form Registration through Gmail Registration through Linked IN |
| FR-2 | User Confirmation | Confirmation via Email 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 |
| FR-6 | 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 | Usability | Human Factors, overall aesthetics , consistency and documentation. |
| NFR-2 | Security | A system's ability to prohibit unauthorized access , usage or behavior modification while providing service to authorized users. |
| NFR-3 | Reliability | Frequency and severity of failure, recoverability, predictability , accuracy and mean time between failures(MTBF). |
| NFR-4 | Performance | Processing speed , response time ,resource consumption, throughput and efficiency. |
| NFR-5 | Availability | 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 | Scalability | The ability of solution or system to increase its capacity to serve clients and/or increase processing rates to match demand. |