Project Design Phase-II

Solution Requirements (Functional & Non-functional)

|  |  |
| --- | --- |
| Date | 19 October 2022 |
| Team ID | PNT2022TMID54004 |
| 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  Registration through Gmail |
| 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. |