**Project Design Phase-II**

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

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| Date | 14 October 2022 |
| Team ID | PNT2022TMID07825 |
| Project Name | Plasma Donor Application |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form, Gmail, Blood Bank App. |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP, SMS |
| FR-3 | Access | The form can be access through website, google forms. |
| FR-4 | Gmail Account | Plasma donors can send request to the recipient through mail also.  As soon as the request is submitted, they will get an confirmation e-mail to the registered one and then click confirm. |
| FR-5 | Login requirements | Donor/Recipient can log into the application by entering email & password. |
| FR-6 | Internet Facility | We can give information through website, blood bank app, social media, etc. |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | It is very useful when the patient is in need of blood. |
| NFR-2 | **Security** | It should be secured with the proper matching blood group. |
| NFR-3 | **Reliability** | It can recover the corona patients by blood transfusion of already corona affected and recovered people. |
| NFR-4 | **Availability** | It requires an active internet connection for checking the status of blood donors. |
| NFR-5 | **Scalability** | To ensure the maintenance of donor’s healthy and allow them to give blood when needed, and ensuring that whether they have given the blood before. |