# Project Design Phase-II

**Solution Requirements**

**(Functional & Non-functional)**

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| **Date** | 26 October 2022 |
| **Team ID** | PNT2022TMID45909 |
| **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 | | Donor Registration | Registration through Form  Registration through Gmail |
| FR-2 | | Donor Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | | Recipient Registration | Register with form  Register with Email |
| FR-4 | | Recipient Confirmation | Confirm via Email  Confirm via OTP |
| FR-5 | User Login | | Login via Email Login via OTP. |
| FR-6 | Recipient Notifies | | Recipient get notified from Donor via messages. |

## 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** | Creating an online platform that not just serves strong network between plasma donors and plasma recipients and an User with no understanding of application must be able to interact with chatbot. |
| NFR-2 | **Security** | The admin will handle the information given by the user and store them in a secured database which cannot be accessed by any other people. |
| NFR-3 | **Reliability** | The database update process must roll back all related updates when any update fails. |
| NFR-4 | **Performance** | This application will help donors as well as recipients in a better manner. |
| NFR-5 | **Availability** | The notification about the availability of donor was sent through SMS. |
| NFR-6 | **Scalability** | More number of users will register. |

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| NFR-5 | **Availability** | New module deployment must not impact font end page in upgrade time. |
| NFR-6 | **Scalability** | Application traffic limit must be scable enough to support 10000 user at time. |