**Project Design Phase-II**

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

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| Date | 19 NOVEMBER 2022 |
| Team ID | PNT2022TMID47116 |
| 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  Registration through email  Registration through Social Media Sites |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Clarification | After the donor donates plasma, we will give them a certificate of appreciation and authentication. |
| FR-4 | Statistical data | The Statistical data about the usage of the plasma donar application displayed in the application |
| FR-5 | User Plasma Donation Request | The users can request to donate plasma by filling out the request form on the page. Once the request is submitted, they will get an email |
| FR-6 | Recipient Request for plasma | The user requesting for the plasma can request and find the availability of the plasma |
| FR-7 | Searching/reporting requirements | Users can look up information about camps and other topics in the Information section. |
| FR-8 | Virtual Assistants | A virtual assistant is a software agent that provide services on behalf of a person in response to commands or inquiry. The user can easily register for donating/requesting the plasma. |

**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** | The application should be user friendly and good-looking user-interface and should be easy to use the application |
| NFR-2 | **Security** | The security requirements deal with the primary security. Only authorized users canaccess the system with user name and password of administrator. |
| NFR-3 | **Reliability** | If Any information is inaccurate, it will cause big issues. The Application should be made in such a way that it is reliable in its operations and for securing the sensitive details. |
| NFR-4 | **Performance** | The performance of the application is more important that the user should not face any lagor problem regarding application. So, the performance of the application should be high. |
| NFR-5 | **Availability** | The availability of the application should anytime, the user can use the application inemergency whenever it can be. So, the application should work 24/7. |
| NFR-6 | **Scalability** | The application has the ability to handle growing numbers of users and load withoutcompromising on performance and causingdisruptions to user experience. |