**Project Design Phase-II**

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

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| --- | --- |
| Date | 03October 2022 |
| Team ID | PNT2022TMID51379 |
| 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 (WebApp) |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Certification | After the donor donates plasma, we will give them a certificate of appreciation and authentication. |
| FR-4 | Statistical data | The availability of plasma is given in the page as stats, which will be helpful for the users. |
| FR-5 | User Plasma Request | 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 | Searching/reporting requirements | Users can use the search bar to look up information about camps and other topics. |
| FR-7 | Virtual Assistants | A virtual assistant is a software agent that can carry out tasks or provide services on behalf of a person in response to commands or inquiries. When users enter their inquiries, the system will respond with pertinent information about plasma and details of plasma donation. |

# 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** | Must have a good looking User friendly interface. |
| NFR-2 |  |  |
|  | **Security** | It must be secured with the proper username and password. |
| NFR-3 |  |  |
|  | **Reliability** | The system should be made in such a way that it is reliable in its operations and for securing the sensitive details. |
| NFR-4 | **Performance** | Users should have a proper Internet Connection. |
| NFR-5 |  |  |
|  | **Availability** | The system including the online and offline components should be available 24/7. |
| NFR-6 |  |  |
|  | **Scalability** | The application has the ability to handle growing numbers of users and load without compromising on performance and causing disruptions to user experience. |