

PROJECT DESIGN PHASE-II
SOLUTION REQUIREMENTS(FUNCTIONAL&NON FUNCTIONAL)

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| TEAM ID | PNT2022TMID33788 |
| PROJECT NAME | Project - 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 (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-8 | 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.

| 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. |

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|-------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |