Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID23106 |
| 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 Website Registration through Application |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Customer care | Regularize the Send grid service |
| FR-4 | Administrator | Monitor the overall functionalities of the application and ensure the quality of service |

# 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** | Plasma donor application is very useful to the emergency patients, because this application gives the information of the nearby plasma donors and request them to donate their plasma to patients via email , SMS etc. |
| NFR-2 | **Security** | Very secured website and application which provides various security features such as 2 step verification , Email Verification , OTP password etc.. |
| NFR-3 | **Reliability** | It provides the reliable information to the users , because the registered donors are well reliable .So  reliability is high. |
| NFR-4 | **Performance** | Carrying out an evaluation to quantify empirically the recommendation abilities of two state-of-the-art  methods, considering different configurations, within the proposed framework. |

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| NFR-5 | **Availability** | A publicly available dataset is formed by a set of plasma donor profiles and a set of patients  collected from different search engine sites |
| NFR-6 | **Scalability** | Scalability problem mainly arise in huge and dynamic data sets which is produced by interactions between user and item such as preferences, ratings and reviews. It is possible that when some recommendation algorithms are applied on relatively small data sets, they provide the best  results, but may reflect inefficient or worst behaviour on very large datasets. |