Project Design Phase-I Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID17544 |
| Project Name | Project – Plasma Donor Application |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | There has been an increase in demand for blood plasma among hospitals and blood banks. Hence there is a requirement for new infrastructure to facilitate donors, blood banks and hospitals for easier donation and access of blood plasma that could potentially satisfy the  excess demand for it to be used for treatment. |
| 2. | Idea / Solution description | This proposed system aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or requirements. The basic solution is to create a centralized system to keep a track on the upcoming as well as past Plasma Donation  Events. |
| 3. | Novelty / Uniqueness | A User Interface is simple for users to understand. We can use the application anywhere anytime. The user immediately needs the plasma for their treatment but the plasma is not available in nearby hospitals, then user can use this application to raise request and directly contact the donor, request them to donate the plasma. Today many of them have mobile phones they can install this application  and use it to save the lives of people. |
| 4. | Social Impact / Customer Satisfaction | Effect of donor motivation on donor satisfaction and loyalty are variable due to the influence of common donorship attitudes prevailing in donor population, impact of social marketing programs, focused on promotion of donor commitment and deliberate donorship. Thus, we have predicted that effect of donor motivation on donor relationship satisfaction and  loyalty change |
| 5. | Business Model (Revenue Model) | This application is accessible by everyone. It is free. Because of the trouble in finding givers  who match a specific blood bunch, this |

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|  |  | application empowers clients to enlist individuals who wish to give plasma and keep their data in a data set. Nowadays the need for plasma increases. Anyone with basic knowledge  can access this app. |
| 6. | Scalability of the Solution | This application helps users to find plasma donors by sitting in home itself instead of searching donors everywhere. When there is a emergency then plasma request to send to everyone. Once the donor is ready to donate receiver is notified about donation. Receiver can contact the donor. With this app donor can know the eligibility to donate and making it  easier to locate suitable donor at right time. |