

**Project Design Phase-I**  
**Proposed Solution**

Date	19 September 2022
Team ID	PNT2022TMID25132
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

**Proposed Solution Template:**

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	During COVID 19 crisis the requirement for plasma increased drastically as there were no vaccinations found in order to treat the infected patients. In such situation it was very difficult to find the plasma donor, check whether the donor was infected previously and was recovered, and which donor is eligible to donate plasma was a challenging task. As the plasma therapy was one of the ways to treat the infected patients getting the donor details played a major role.
2.	Idea / Solution description	This proposed system aims at connecting the donors & the patients by an online application. By this creating application with UI to interact with the user for getting the donor details, who need it can see their details providing them upon the recipient's request so that they can get the plasma.
3.	Novelty / Uniqueness	Our application allows the user to request and donate the plasma. The person needs the plasma immediately or pre request. You have plasma immediately then give emergency request, then all registered member on the application to get voice alert.
4.	Social Impact / Customer Satisfaction	In this covid19 period the requirement for plasma needs high and the donor count has low, so using this application provides opportunity come forward to donate plasma. we have predicted that effect of donor motivation on donor relationship satisfaction and loyalty change.
5.	Business Model (Revenue Model)	The application is user friendly and can be easily used. User Data can be stored in IBM DB2 in cloud which reduces the overall cost incurred for developing the application. This application is accessible by everyone. This can be used anywhere anytime.

6.	Scalability of the Solution	<p>This application helps users to find plasma donors by sitting in home itself instead of searching donors everywhere. When there is an 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.</p>
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