

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

Date	19 September 2022
Team ID	PNT2022TMID45941
Project Name	Project – 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)	<ul style="list-style-type: none"><li>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.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>Get the information about the plasma donor</li><li>Reduced the workload by storing the details in cloud storage</li><li>By using GPS easily track the plasma donor</li><li>Websites to find check the availability of Donors</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>Upgrading the UI that is more user-friendly which will help many users to access the website and also ensures that many plasma donors can be added into the community.</li><li>Using elastic load balancer, it helps to handle multiple requests at the same time which will maintain the uptime of the website with negligible downtime.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>It improves the efficiency and easy to check the availability of the plasma donor.</li></ul>

		<ul style="list-style-type: none"> <li>It will provide the better way to track the plasma donor and get the notification through the mobile to the plasma donor.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>To build an android application that will help people to get blood in emergency situations like natural disasters using features like geo - tagging. To motivate people for blood donation and to help patients receive blood in emergency situations, we have designed an application to overcome all the problems which the current offline as well as online systems face.</li> <li>If in emergency a patient requires blood, using this application we'll not just be able to contact Blood Bank and Hospitals but can also seek help from individual registered Donors</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>Instead of scouring the entire world for plasma donors, this APP enables users to find donors while sitting at home. When there is an emergency, plasma requests that everyone sends a message. When a donor is prepared to donate, the recipient is informed. Receiver may get in touch with the donor. This software helps donors find potential donors quickly and easily by letting them know if they are eligible to donate.</li> <li>Increasing the scalability of plasma donors easily through web application</li> </ul>