

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

Date	23 September 2022
Team ID	PNT2022TMID49597
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)	During the COVID 19 crisis, the requirement of plasma became high and the donor count being low. Saving the donor information and helping the need by notifying the current donors would be a helping hand. It is very difficult to find the respective blood group donors when anyone is in need. The donors also face a lot of inconvenience when using the system to donate plasma. In regard to the problem faced, an application is to be built which would take the donor details store it and inform them upon a request all the while making it more convenient to use.
2.	Idea / Solution description	The donors can register their details in the application. Their registered details will be saved in the database. When there is a need for plasma, the relevant donors will be alerted via their mail. The location to the where the plasma is needed will be given in mail. Donors can also schedule appointments to their convenience, to donate plasma to the plasma bank.
3.	Novelty / Uniqueness	Our application is unique in the fact that it is very convenient for the donor. It has a unique, simple and elegant User Interface that makes it much easier to understand and navigate.
4.	Social Impact / Customer Satisfaction	It promotes awareness for plasma donation. It attracts many willing donors because of its convenience. It assures people that plasma is available at anytime, anywhere by contacting all relevant donors by mail, largely reducing the worry of patients.

5.	Business Model (Revenue Model)	This application can collaborate with the Government and Non-Profitable Organizations where they can utilize the application for helping people and pays us a certain amount every year for its maintenance.
6.	Scalability of the Solution	Adequate number of donors can register themselves. A large amount of requests for plasma donation can be processed at the same time.