

PROJECT DESIGN PHASE-I
PROPOSED SOLUTION TEMPLATE

Date	19 September 2022
Team ID	PNT2022TMID37690
Project Name	PLASMA DONAR
Maximum Marks	2 Marks

Praposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The coronavirus disease 2019 (COVID-19) affected millions of people worldwide and caused disruptions at the global level including in healthcare provision. Countries of the WHO African region have put in place measures for the COVID-19 pandemic containment that may adversely affect blood system activities and

		subsequently reduce the supply and demand of blood and blood components. This study aims to assess the impact of the COVID-19 pandemic on blood supply and demand in the WHO African Region and propose measures to address the challenges faced by countries.
2.	Idea/Solution description	If anyone needs a Plasma Donor, this system comprises of Admin and User where both can request for a Plasma. In this system there is something called an active user, which means the user is an Active member of the App and has recovered from Covid 19, only such people are recommended here for Plasma Donation. Both parties can Accept or Reject the request. User has to Upload a Covid Negative report to be able to Donate Plasma.
3.	Novelty/Uniqueness	This system proposed here 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 requirement.
4.	Social impact/Customer Satisfaction	<p>The COVID-19 pandemic presents significant differences as it is an ongoing crisis that affects all individuals and has the potential to pose a direct health threat to anyone. Therefore, we propose that the pandemic may also negatively affect willingness to help, specifically blood donation intentions. It requires a high level of willingness to donate blood beyond the crisis outbreak, as more blood will be needed when postponed surgeries resume. While active donors show increased awareness of ability and eligibility to donate at the beginning of the pandemic compared to pre-pandemic, they feel significantly less able to donate as the pandemic progresses. Furthermore, inactive donors' perceived ability to donate significantly decreases in the pandemic phase compared to the</p>

		pre-pandemic phase. Crucially, both active and inactive donors feel less responsible and less morally obliged to donate, resulting in an overall negative pandemic effect on blood donation intentions. The COVID-19 pandemic compromises blood donations endangering the life-saving blood supply.
5.	Business Modal(Revenue Model)	The plasma industry uses plasma to produce various blood products, Including clotting factors,intravenous immuno globulin, and albumin. Globally, the plasma industry is a big business. Companies that specialise in plasma have been regularly subjected to takeovers, and the industry is growing. It is generally accepted (and recommended by WHO) that the safest blood supplies are those freely given by carefully screened donors who have no vested interest.
6.	Scalability of the Solution	Several blood collection organizations have explored the use

		<p>of both behav-ioral nudges and economic incentives, with varying degrees of suc-cess. Economic incentives are often perceived as being in conflict with the core mission of blood banks, with donors' altruistic motivation, and, more generally, with moral values. Several blood collection organizations have explored the use of both behav-ioral nudges and economic incentives, with varying degrees of suc-cess. Economic incentives are often perceived as being in conflict with the core mission of blood banks, with donors' altruistic motivation, and, more generally, with moral values.</p>
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