

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID38699
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)	To create an application for Plasma is a critical part of the treatment for many serious health problems. This is why there are blood drives asking people to donate blood plasma. Saving the donor information and helping the needy by notifying the current donors list, would be a helping hand. People who want to donate their plasma for the people who need it mostly in times of emergency.
2.	Idea / Solution description	In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request. In This way, the one who in need in plasma can able to make a request, then the application can able to read the information of donors that are stored in database and informing up the donors regarding that request.
3.	Novelty / Uniqueness	This application can able to perform certain functionality and possess certain feature which are unique. Those are listed below: <ul style="list-style-type: none">● The user interacts with the application. Registers by giving the details as a donor. The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it via registered email.● A chat-bot to answer frequently asked question about plasma donation.

4.	Social Impact / Customer Satisfaction	By using the application one can easily able to find the donor at emergency situations and the one who willing to donate their plasma can easily be connected with the needy. Since this process takes place continuously, we can build a healthy society of tomorrow. The application is user friendly and anyone with basic knowledge can access it.
5.	Business Model (Revenue Model)	We can provide some additional medical services in order to generate some revenue. Medical services like blood test, medical record management, medical transportation service and some other health care service.
6.	Scalability of the Solution	Since the whole application is developed based on micro-services architecture, the scalability of the application is made easy. The application can able scale as the users grow and handle the traffic at any situations. This app is going to store its data in cloud, it will continue to be efficient when large number of people uses it. Also when the number of requests for plasma increases, the mail notification system will work fine without any disruption.