Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID54477
Project Name	Project – Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	During COVID19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the needy by notifying. 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. The current donors list, would be a helping hand.
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 upon a request. This way, one who in need in plasma can able to make a request, then application can able to read the information of donors that are stored 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: • Those who want to donate their plasma can do by simply register by uploading

		their covid-19 recovery certificate. • It can able to find donors who are located close to the needy by using GPS location tracking. 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.
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 healthcare 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.