Project Design Phase-I
Proposed Solution Template

Date	24 September 2022
Team ID	PNT2022TMID32723
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution Template:

The project team shall fill in the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Plasma plays a critical role in maintaining healthy blood pressure, blood volume, and a proper pH balance,the most important element for humans to survive. Developing an application to interconnect plasma requesters and donors will help people to save their lives during an emergency by using the cloud-based techniques.
2.	Idea / Solution description	In day-to-day life requirement for plasma became high, especially during the COVID-19 crisis. But the donor count was low. Saving the donor information and helping the needy by notifying the current donors would help in need. It is very difficult to find the respective blood group donors when anyone is in need. Regarding the problem faced, an application is to be built which would take the donor details store them and inform them upon request. And, for plasma donation centres, it is easy to find donors The basic solution is to create a centralized system to keep track of the upcoming as well as past Plasma Donation Events. The recommended solution is as follows: The application contains, • If the user wants to donate or receive, they must register with their details. • After successful registration of the user, an E-mailhas been sent to the user. • Then the user will be directed to the home page. • They will be asked to press whether they will be donors or receivers. • If the user is a donor, then he/she will fill out the donation interest form which includes their Name, blood group details, location, last time donated to

		date, phone number, and email id.
		• After filling out the donation form, he/she will be redirected to the page on which he/she can download the ecertificate
		• If the user is a receiver, then he/she can see the list of donors available, and they can raise their request and contact the donor directly.
3.	Novelty / Uniqueness	• We help the donor to access the location of a blood centre which is nearby him/her.
		• We Notify them by sending confirmation emails after they get registered for the plasma donation and, we notify them once the appointment is fixed in the centre.
		• Furthermore, the GPS map option is available to direct the donor to the centre.
		• Somebody wants to donate blood and plasma, but they don't know the way to donate then they use this application which will simple to use and it will save the lives of many people.
		• Today many of them have mobile phones they can install this application and use it to save the lives of people.
4.	Social Impact / Customer Satisfaction	By using this application, the user will experience a user-friendly and responsive interface and they get satisfaction by saving thousands of people's life.
5.	Business Model (Revenue Model)	This application is accessible to everyone,it is free. Because of the trouble in finding givers who match a specific blood bunch, this application empowers clients to enlist individuals who wish to give plasma and keep their data in a data set. Nowadays the need for plasma increases. Anyone with basic knowledge can access this app. This can be used anywhere anytime. The user's information is encrypted. We maintain this app by automation for saving admin and user time. Users get profited as we take care of them even after the plasma donation by giving them hospitality details also, we have an FAQ section where the users can clarify their doubts.
6.	Scalability of the Solution	• Whatever the requirements, the application provides a clear solution for the requirements when there is an emergency then a plasma request to send to everyone.

		- Once the donor is ready to donate receiver is notified about the donation. - With this app,donors can know their eligibility to donate and making it easier to locate suitable donors at right time.