Project Design Phase - I
Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID22996
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	During the COVID 19 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 the current donors list, would be a helping hand. 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.
2.	Idea / Solution description	Blood donation and Plasma donation are crucial for saving people lives. The blood donation process usually consumes a lot of time and effort from both donors and medical staff. So we proposed a solution that deploys cloud application empowered by cloud computing to provide efficient plasma donation services. These services include immediate responses about the donors, interface system, emergency service provided by national/regional database, unique identification number for each donors.
3.	Novelty / Uniqueness	• Cloud Application Development for Plasma Donor system uses the backend framework and parallel computing. • It recognizes the accurate blood donator and matches the emergency call for plasma using smart algorithms.
4.	Social Impact / Customer Satisfaction	• Many people will get benefited by the experience of the system with immediate responses from the server side and offers 24/7 assistance. • The main goal of this application is to decrease the mortality rate and giving full support to the people who

		are in need with the blood and plasma.
5.	Business Model (Revenue Model)	Providing Cloud computing services can generate revenue through direct customers and collaborate with blood banks, hospitals and health sector. And generate revenue from their customers.
6.	Scalability of the Solution	Cloud application has the ability to increase or decrease the resources as needed to meet changing demand. The application system can be expanded to handle increased load. It might open the door to more cutting edge and creative approaches to the difficult problems faced by the people.