Project Design Phase-I
Proposed Solution

Team Id	**PNT2022TMID02933**
Project Name	**Plasma Donor Application**

S.NO	Parameter	Description
1.	Problem Statement (Problem to be solved)	Plasma donors and patients find it difficult to search for and contact each other at the right time. There is a demand for an ultimate solution that facilitates easier methods of communication, which as a result can help save people's lives.
2.	Idea / Solution description	To develop a web application that stores donors' information in the database and that information is shown to the patients nearby. The donor is then notified upon a plasma request from a patient.
3.	Novelty / Uniqueness	Since this is a web application, it is platform independent and can be accessed on any device, anytime, anywhere. The app updates the data real-time and notifies users quickly to help people in emergency. It also includes a chatbot to resolve queries regarding plasma donation.
4.	Social Impact / Customer Satisfaction	Donors have the satisfaction of helping someone in need and saving their life. Patients feel grateful and happy about receiving plasma at the right time. This as a result will help resolve the increasing demand for plasma across the country.
5.	Business Model (Revenue Model)	Since the app is intended to help people in medical emergencies, it is not fair to charge patients/donors. However, hospitals or blood banks using the application can be charged on a monthly basis or pay as you go model.
6.	Scalability of the Solution	Since this is a containerized application which is to be deployed on Kubernetes cluster, the scalability of the application is guaranteed to a great extent. Also the IBM Db2 database, which stores the entire application data, supports elastic scaling up to 128 mac