Project Design Phase-I

Proposed Solution

Team ID	PNT2022TMID21590
Project Name	Project – Plasma Donor Application

Sl. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• When the details are maintained manually, it is complicated for donors and patients. • Physical Man power is required to manage the Data and process the Plasma Donation. • In Pandemic situation, it is difficult to have manpower, so it is difficult to get the Plasma donor data. • Needed an Automated system to Manage donor and Patient data. • The data is needed to be accessible from anywhere and anytime
2.	Idea / Solution description	• Making a Web application which is user friendly as well as has more features for serving the people better. • Reduced workload by storing the details in cloud storage. • No Manpower / Remote Manpower only will be needed. • Data Availability for 24x7x365.
3.	Novelty / Uniqueness	• User friendly UI to access the web application by all the people • If a Donating user is available, they can request for plasma. • The web application will automatically send the email containing the Patient's contact details. • The Donor may contact the Patient and can reach the patient to donate the blood. • Voluntary donors can fill out a registration form and can get the Request Email on demand.

4.	Social Impact / Customer Satisfaction	• Find the donors in near places • Connect the donors and patients Easily. • With all of the authenticated information, this platform will assist the public in donating or obtaining their plasma needs.
5.	Business Model (Revenue Model)	By collaborating with government and organizing Plasma Donation Camps and store them instead requesting Plasma on demand.
6.	Scalability of the Solution	• The aim is to build a web application using Cloud with advanced features that will help to overcome the barrier between Plasma bank, Donor and Patient • Since the project uses IBM DB2 database it can handle with multiple requests in various regions • As this is a web application and uses cloud storage, any further enhancements in technology can be incorporated within this application. • Chatbot for Queries • Genuineness of the Patient will be tested