Project   Design   Phase-I
Proposed Solution Template

Date	20.10.2022
Team ID	PNT2022TMID04545
Project Name	Project – Plasma Donor Application
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many major medical conditions are treated by plasma. One of the most well-known techniques known as plasma treatment, plasma is used to cure various incurable diseases. As there were no vaccines available to treat the infected patients duringthe Covid-19 emergency, the need for plasma increased dramatically. Plasma therapy had a high probability of recovery but a very low donor count, therefore it was crucial to learn more about the donors in these circumstances. It would be helpful to save the contributor information and let clients know about the recurring donors because it can help them find the crucial information more quickly.
2.	Idea / Solution description	This system's goal is to develop a web application to link plasma donors and patients. Patient of this application may post request plasma donation or request for plasma. The fundamental solution is to establish a centralised system is that a admin will keep track of current and previous Plasma Donation Events and also keep track of the location of the donor's plasma using google map. The recommendation solution is as follows: Application contains three roles: i)Admin ii)Patient iii)Donor Admin : • Admin can login using their credentials. • Admin can view the request. • Admin can delete the request. • Admin can add volunteers. Patient :

		- If the patient is new ,Patient must register first and then login - The patient can request specific blood type and quantity - Patient can view the accepted status by donor - Patient can contact the donor directly Donor: - If the donor is new he/she must register first and then login to the page - Upload vaccination certificates - View blood request - Accept/reject blood request - View the previous donation status - View blood donation campaigns posted by registered blood banks - Download E-certificate after donation Blood bank: - Hospitals and blood bank centres can Login /Register - Patients can find donor's personal details. - View blood type and quantity stored. - Track blood Storage
3.	Uniqueness	Users can effortlessly grasp the person interface. packages are available whenever, anywhere. customers can use this software to make inquiries and contact donors immediately asking them to donate plasma if they urgently need plasma for treatment but plasma is not available at close by hospitals can. Hospitals also can post appeals to donors. all people who wants to donate blood or don't know how to donate blood can store lots of lives with this app that is easy to use. today, lots of them have smartphones where they are able to download this app and store their lives.

4.	Social Impact / Customer Satisfaction	the entirety is accessible on line because we live in a modern-day age. in spite of the fact that there are numerous applications, there is no legitimate form for donating plasma. even though lots of them would love to donate blood and plasma, they're not aware of the procedure or how to make contributions. The capacity to give plasma is made to be had via this application. Plasma donations are being made everywhere, and although many human beings breakthrough to do so, the plasma isn't constantly prepared to be used. There may additionally every now and then be a scarcity of a specific kind of plasma. prior to plasma transfusion, we require extra facilities that offer quick get entry to to affected person facts. software program applications are used together with cloud computing and tools to cope with this problem and provide abilties like statistics retrieval and ongoing data monitoring with analytics. A centralized region to shop accurate information and raise members' faith in the pastime. It boosts the amount of donors.
5.	Business Model (Revenue Model)	To construct an android utility with a purpose to assist humans to get blood in emergency situations like herbal disasters using capabilities like geo-tag . To motivate humans for blood donation and to assist sufferers receive blood in emergency situations, we have designed an utility to conquer all the troubles which the cutting-edge offline as well as online systems face. If in emergency a affected person calls for blood, using this application we'll now not just be capable of contact Blood financial institution and Hospitals however can also are seeking for help from person registered Donors
6.	Scalability of the Solution	Instead of scouring the entire world for plasma donors, this APP enables users to find donors while sitting at home. When there is an emergency, plasma requests that everyone sends a message. When a donor is prepared to donate, the recipient is informed. Receiver may get in touch with the donor. This software helps donors find potential donors quickly and easily by letting them know if they are eligible to donate.