Project design phase-1

Proposed solution template

Date	16 october 2022
Team ID	PNT2022TMID42337
Project name	Plasma donor application
Maximum mark	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)	To create an application for people who want to donate their plasma for the people who need it mostly in times of emergency.
2	Idea / Solution description	This proposed system aims at connecting the donors & the patients by an online application. By using this application, the users can either raise a request for plasma donation or requirements. The basic solution is to create a centralised system to keep a track on the upcoming as well as past Plasma Donation Events. The recommendation solution is as follows: Application contains two roll ● Admin ● User User: ● If the user wants to

| | | | donate or receive they have to register with their personal details |
| | | | After successful registration of user A successful registration email is sent to the user. After successful registration, users will be directed to the home page. They will be asked to press whether they will be a donor or receiver. If the user is a donor then he/she will fill the donation interest form which includes their Name, blood group details, location, last time donated date , phone number, email id. After filling the donation form he/she will be redirected to a page in which he/she can download the ecertificate. If the user is the receiver then he/she can see the list of donors available and they can raise their request and contact the donor directly. Admin: Admin can login using their credentials. Admin can edit the request. Admin can delete the request. Admin can add volunteers. |

3	Novelty / Uniqueness	A User Interface is simple for users to understand. We can use the application anywhere anytime. The user immediately needs the plasma for their treatment but the plasma is not available in nearby hospitals, then the user can use this application to raise a request and directly contact the donor , requesting them to donate the plasma. Hospitals can also request donors for donations. Somebody wants to donate blood and plasma but they don't know how to donate. Then they use this application which will be 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	The application is user friendly and anyone with basic knowledge can access it. The application seamlessly connects the donorand the person who needs it and also hospitals who have availability of the plasma.
5	Business Model (Revenue Model)	application is accessible by 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. Working with the government we can utilise an application to help those needing plasma.
6	Scalability of the Solution)	Since the app is going to store its data in the cloud, it will continue to be

		efficient when a large number of people use it. Also when the number of requests for plasma increases, the call notification system will work fine without any disruption