Date	01 October 2022
Team ID	PNT2022TMID45345
Project Name	Project-Plasma Donor Application
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PLASMA DONOR APPLICATION

Literature Review:

S NO	TITLE	Authors	Abstract	Drawbacks
1	Plasma Donation Website using MERN stack	Neha Soni , Software Engineering Intern at FICO | Technical Blogger	The person who wants to donate his/her plasma needs to register in our application providing required information which are name, age, blood group, phone number, and location, etc. Patients who need plasma can also fill the form to request the plasma. Patients can directly call the donor by taking his/her contact number from the application. The user can also view the total active cases, recovered cases, vaccine centres in their area, hospital location, and helpline number.	• Internet: It would require an internet connection for the working of the website. • Auto-Verification: It cannot automatically verify the genuine users.
2	Instant Plasma Donor Recipient Connector Web Application	• Ripathi S • Kumar V • Prabhakar A	The world is suffering from COVID 19 crisis, and we haven't found any vaccine yet. But there is another scientific way from which we can help to lower the death ratio or help the COVID 19 affected person is by donating Plasma from recovered patients. With no approved antiviral treatment plan for the deadly COVID-19 infection, plasma therapy is an experimental approach to treat COVID positive patients and help them recover faster. The therapy considered to be safe and promising. If a particular person is fully recovered from COVID 19 he/she is applicable to donate their	• Tedious work. • Expensive. • Requires more man power. • Time Consuming.

			plasma. In the proposed system, donors who need to donate plasma can donate by uploading covid-19 certificate and blood bank can view donors and can raise requests to donors and the hospital can register/login and can search for plasma, they can raise requests to blood bank and can get the plasma.	
3	Developing a plasma donor application using Function-as-a-service in AWS	Aishwarya R Gowri, Jain University Department of MCA, computer science	A plasma is a liquid portion of the blood, over 55% of human blood is plasma. Plasma is used to treat various infectious diseases and it is one of the oldest methods known as plasma therapy. Plasma therapy is a process where blood is donated by recovered patients in order to establish antibodies that fights the infection. In this project plasma donor application is being developed by using AWS services. The services used are AWS Lambda, API gateway, DynamoDB, AWS Elastic Compute Cloud with the help of these AWS services, it eliminates the need of configuring the servers and reduces the infrastructural costs associated with it and helps to achieve serverless computing. Situations like if the donor count is very low, it is very important to get the information about the plasma donors. Saving the donor information and notifying about the current donors would be a helping hand as it can save time and help the users to track down the necessary information about the donors.	• It cannot auto verify user genuineness. • It requires an active internet connection.
4	Plasma Donation App	Jenny Shersten	Motivation for further plasma collection from donors for recipients, as well as fast communication with them. For both groups - always up-to-date information and the ability to follow statistics and data in the city and in the country	• Internet Connection is mandatory • Reports are not verified

5	Plasma-Donor-App	• Dheeraj Kotwani • Pragathi Verma • Sitam Sardar • Vatsal Kesarwani • Nakul Sharma • Nuh Koca • Harsh Rajgor	An Open-Source App which fills the gap between the patients and the Plasma Donors.	• No search filter available • Cannot login through Chrome • UI improvement in Login page