LITERATURE SURVEY

NEAREST BLOOD & PLASMA DONOR FINDING: A MACHINE LEARNING APPROACH -2020.

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The purpose is to build a platform with clustering algorithms which will jointly help to provide the quickest solution to find blood or plasma donor. Closest blood or plasma donors of the same group in a particular area can be explored within less time and more efficiently.
The key objectives of our work are-

- To build a platform between blood donor and receiver.
- To implement a hybrid approach of K-Means and Agglomerative clustering algorithm.
- To find the nearest blood donor in a specific region in the shortest possible time.
- To increase the number of voluntary unpaid blood donations significantly.

DEVELOPING A PLASMA DONOR APPLICATION USING FUNCTION-AS-A-SERVICE IN AWS -2020

Aishwarya R Gowri Jain University, Department of MCA, computer science.

This method helps the users to check the availability of donors. A donor has to register to the website providing their details. The registered users can get the information about the donor count of each blood group. The database will have all the details such as name, email, phone number, infected status. Whenever a user requests for a particular blood group then the concerned blood group donors will receive the notification regarding the requirement. A Json code is written to store the information, to fetch the requested information in lambda.

ENHANCED MOBILE APPLICATION DEVELOPMENT FOR PLASMA, MOTHER'S MILK AND BLOOD BANKS- 2021

Dr. S. Brindha1, Ms. D. Priya2, Mr. S. Ajith Kannan3, Mr. D. Joyal Victor4, Mr. R. Gunachandran

Though there are many android applications available for blood donation and blood bank management, they have not included any provision for Plasma donation. The existing system for Mother's milk donation is only based on what's app. These groups are limited to 100 members only. It is very difficult for the coordinator to add or remove users of various groups and manage other resources. Thus, this system suffers scalability and security issues. Hence, we propose an enhanced mobile application for Plasma, Mother's milk and Blood banks to administrate their users and resources easily and enhance security for information stored on the databases.
The main objective is to develop an Android application to build a network of people (Donors, Recipients and Health care departments) who can help each other. This automaton application is developed to simply explore for plasma, mother's milk and blood in near areas for emergency.

PLASMA DONATION WEBSITE USING MERN STACK -2021

Neha soni Software Engineering Intern at FICO

This Project is to make it easier for the COVID-19 patients to get a plasma donor easily as well as donate plasma if they have recovered. The system targets two types of users: the people who want to donate

plasma and the people who need plasma. The user can also view the total active cases, nearby vaccine centers, hospitals address. The main objective of developing the website is to make it easier for the COVID-19 patients to get a plasma donor easily and as soon as possible.

INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEB APPLICATION -2022

KD Guntoju, T Jalli, S Uppala, S Mallisetti

A donor who wants to donate plasma can simply upload their recovered covid19 certificate and can donate the plasma to a blood bank. The blood bank after checking the donor certificate can make a request to the donor when the donor accepts the request, they can add the required number of units they need. The hospital can send a request to the blood bank that needs the patient's emergency plasma and to get the plasma from the blood bank.