

IBM NALAIYA THIRAN

TOPIC:

TEAM MEMBERS:

Laksmi Raam A (19i301)

Aghila Harshini P (19i306)

Kriti S Rithanya (19i327)

Vijay (19i359)

LITERATURE SURVEY

1.

Instant Plasma Donor Recipient Connector Web Application - 2022

Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Malliseti

Dept of CSE, CMR Technical Campus, India

A donor who wants to donate plasma can simple 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

Pros

Hospitals can send a request to the blood bank for required blood group.

The blood bank can see the hospital's request and the blood bank can accept or reject the request.

User friendly and responsive web application.

2.

Developing a plasma donor application using Function-as-a-service in AWS -2020

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

Function as a Service (FaaS) is a cloud computing model based on the serverless technologies and architectures. The proposed 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 donor will receive the notification. A JSON code is written to store the information, to fetch the required information in lambda.

Pros

FaaS helps to achieve a serverless architecture.

The website is hosted in aws platform to ensure smooth functioning of the website operations.

Very efficient.

3.

Plasma Donation Website using MERN Stack

Neha Soni, Software Engineering Intern, FICO

The main goal is to make it easier for COVID-19 patients to get a plasma donor easily as well as donate plasma if they have recovered. Patients who need plasma can fill the form to request the plasma. Patients can also directly call the donor by taking his/her contact number from the application. Here, the user can view the total active cases, nearby vaccine centres, hospital address, helpline number.

Pros

Speed

Great accuracy as compared to manual registered keeping.

Maintenance

User Friendly

Fast Results