



PLASMA DONAR APPLICATION

A PROJECT REPORT

Submitted by

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LITERATURE SURVEY

TITLE	AUTHORS AND YEAR	MERITS
Developing a plasma donor application using Function-as-a-service in AWS	Aishwarya R Gowri , Jain University, Department of MCA, computer science-2021	In this paper, the author has carried out analysis based on the opportunities presented by serverless computing. Authors work presented a handson experience of serverless technologies using different services from different cloud provides such as Amazon, Google, IBM, Microsoft Azure
Instant Plasma Donor Recipient Connector Web Application	Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Malliseti-2021	The main goal of our project is to design a user-friendly web application that is like a scientific vehicle from which we can help reduce mortality or help those affected by COVID19 by donating plasma from patients..
Lifesaver E-Blood Donation App Using Cloud	Rishab Chakrabarti, Asha Darade, Neha Jadhav, Prof. S. M. Chitalkar-2020	The aim is to build a Lifesaver E-Blood Donation App using Cloud with advanced features that will help to overcome the barrier between blood bank, blood donor and patient. To build an android application that will help people to get blood in emergency situations like natural disasters using features like geo-tagging, SMS Gateway and payment gateway.
Enhanced Mobile Application Development For Plasma, Mother's Milk And Blood Banks	Dr. S. Brindha, Ms. D. Priya, Mr. S. Ajith Kannan, Mr. D. Joyal Victor, Mr. R. Gunachandran-2021	At this present time plasma banks are in short supply. Not only that, but the number of plasma donors is low too. And some people do not know what plasma donation is and where to donate plasma. Set

		up a system to alleviate this situation and help needy people to identify plasma donors and plasma banks.
Plasma Donation Website using MERN stack	<u>Neha Soni</u> -2021	The main goal of our 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.

EXISTING SYSTEM

The 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.

People have to find them physically by visiting hospitals register book and reaching out recovered donors' home and sometimes they will be not available at their places and will be went on work. In this type of scenarios, diseased persons health gets more worsened. This is an expensive and will not work as effectively at emergency situations.

As per blood requirement, user can quickly get notification from blood bank within the radius of 5-10km. If requested blood group is available in the blood bank then it will send positive reply message to the users. If requested stock is not available in the blood bank then blood bank send notification to all donors. If anyone is able to donate then he will reply to blood bank

Blood bank App provides list of blood banks in their space. solely a registered person, with disposition to gift blood, are going to be able to access the service. In this application they are using the GPS technology to trace the way to the blood bank. The user will get the route to reach the desired location and therefore time can be saved. 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 centers in their area, hospital location, and helpline number.

PROPOSED SYSTEM

Upgrading the UI that is more user-friendly which will help many users to access the website and also ensures that many plasma donors can be added into the community. Using elastic load balancer, it helps to handle multiple requests at the same time which will maintain the uptime of the website with negligible downtime.

In this project, we will develop a web application in such a way that the after-registration user can opt to become donor on application or he can search for plasma donors and find donors nearby them.

Admin can manage both donors & acceptors. He can add or remove any user from the system. Each member in a donor & acceptor is given a user id and password, which identifies him uniquely. From admin module use can change donor details, delete donor or change the password. Change Password, Modify donor details , Delete donor details, Logout.

Though there are many android applications available for blood donation and blood bank management, they have not included any provision for Plasma donation. Hence 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.

In future, we will try to verify the genuine users. For now, we have just listed the hospitals , but in the future, we will try to add hospitals of each state of India.

Speed : This website is fast and offers great accuracy as compared to manual registered keeping.

Maintenance : Less maintenance is required

User Friendly : It is very easy to use and understand. It is easily workable and accessible for everyone.

Fast Results : It would help you to provide plasma donors easily depending upon the availability of it.