PLASMA DONOR APPLICATION

TEAM ID: PNT2022TMID02933

TEAM LEADER:

- **Kishore J**

TEAM MEMBERS:

- **Kavin A**
- **KavinKumar S**
- **Priyadharshan S**

COLLEGE NAME: Sri Krishna College of Engineering and Technology, Coimbatore

DEPARTMENT: Information Technology

LITERATURE SURVEY:

S NO	TITLE	Authors	Abstract
1	A FRAMEWORK FOR A SMART SOCIALBLOOD DONATION SYSTEM BASEDON MOBILE CLOUD COMPUTING	• Almetwally • M. Mostafa • Ahmed E • Youssef • Gamal Alshorbagy	Blood Donation and Blood Transfusion Services (BTS) are crucial for saving people's lives. Recently, worldwide efforts have been undertaken to utilize social media and smartphone applications to make the blood donation process more convenient, offer additional services, and create communities around blood donation centres. This application helps people receive notifications on urgent blood donation calls, know their eligibility to give blood, search for the nearest blood centre, and reserve a convenient appointment using temporal and/or spatial information. It also helps establish a blood donation community

			through social networks such as Facebook and Twitter.
2	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.
3	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 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.

4	Smart Blood Bank as a Service on Cloud	• Bharathwaj Muralidaran • Akshay Raut • Yogesh Salve • Shivshankar Dange • Likhesh Kolhe	We all know the working of blood bank management system. A blood bank is a cache or bank of blood or blood components, gathered as a result of blood donation or collection, stored and preserved for later use in blood transfusion. blood transfusion.[1] In this project our aim is to develop a web application, which will be hosted on cloud and will provide fast and easy access to reports. We are using a concept of cloud computing. As we all know what the simple definition of cloud is computing.
5	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.
6	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
7	A Secure Cloud Computing Based Framework for the Blood bank	• Mr. Shreyas Anil Chaudhari • Ms. Shrutika Subhash Walekar • Ms. Khushboo Ashok Ruparel • Ms. Vrushali Milind Pandagale	A blood Bank can be defined as a bank or storage place where blood is collected, preserved and used whenever needed or demanded. Everyone is aware that the traditional blood bank management system includes paperwork. Its way of working is not efficient enough at the time of emergency situations. The main aim of creating cloud-based blood bank system is to make the blood available on time to the people, even in emergency situations. With the help of this project, the user can be able to view information about every entity related to blood bank i.e. hospitals, donors, a location of another blood bank etc. The security factor is maintained properly.

8	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. Helped many persons.
9	Developing a plasma donor application using Function-as-a-service in AWS	• Aishwarya R Gowri	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
10	Lifesaver E-Blood Donation App Using Cloud	• Rishab Chakrabarti • Asha Darade • Neha Jadhav • Prof. S. M. Chitalkar	In proposed system the aim is to provide a direct call routing technique using Asterisk hardware. A blood bank database is created by collection of details from various sources like Blood banks, NSS, NGO's, hospitals and through web interface. The central server will be associated with a Toll-free number that can be used to connect to it. From the server the call from the required person is routed to the eligible donor's number. All information about the donors and blood bank is stored on the cloud. 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. This is how the proposed system will work.