PLASMA DONOR APPLICATION

TEAM ID: PNT2022TMID05875

LITERATURE SURVEY:

S NO	TITLE	Authors	Abstract
1	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.	Covid-19 is currently spreading as a deadly disease and till today no medicine has been found for this disease. Alternatively, now a day's plasma transplant surgery is also being performed rapidly. 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. We have set up a system to alleviate this situation and help needy people to identify plasma donors and plasma banks.
2	IMPLEMENTATION OF BLOOD DONATION APPLICATION USING ANDROID SMARTPHONE	• Ms. Pradnya Jagtap, • Ms. MonikaMandale, • Ms. Prachi Mhaske, • Ms. Sonali Vidhate, • Mr. S. S. Patil.	Blood is an important constituent of human body. Timely availability of quality blood is a crucial requirement for sustaining the healthcare services. In the hospital, in most of the cases, when blood is required, could not be provided on time causing unpleasant things. Though donor is available in the hospital, patient is unaware of it, and so is donor. To resolve this, a communication between hospital, blood bank, donor, and receptor is important. The system listed with following forecasting on price variations and stock handling, increase in number of blood type, increase in human accident Infrastructure, blood on various category to be managed. So we solve the problem using the android application. The system will make sure that in case of need, the blood will be made available to the patient. There will be android app to make this communication faster. It aims to create an information about the donor and organization that are related to donating the blood. The methodology used to build this system

			uses GPS. The Proposed system will be used in Blood banks, Hospitals, for Donors and Requester whoever registers to the system.
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 wayfrom 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 andblood 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	• BharathwajMuralidaran • Akshay Raut • Yogesh Salve • ShivshankarDange • 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 ofblood donation or collection, stored and preserved for later use in blood transfusion. blood transfusion. 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 conceptof cloud computing.
5	DEVELOPING A PLASMA DONOR APPLICATION USING FUNCTION-AS-A-SERVICE IN AWS	• Aishwarya RGowri Jain UniversityDepartment 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 isbeing 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.ShreyasAnil Chaudhari • Ms.ShrutikaSubhash -Walekar • Ms. KhushbooAshok Ruparel • Ms. VrushaliMilind 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	• DheerajKotwani • PragathiVerma • 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	A CROSS-PLATFORM BLOOD DONATION APPLICATION WITH A REAL-TIME, INTELLIGENT, AND RATIONAL RECOMMENDATION SYSTEM	• Md Rafat Jamader Maraz • Rashik Rahman • Md. Mehedi Ul Hasnain • Hasan Murad	Blood or plasma transmission is one of the most effective treatments for critical diseases like Covid 19. Nowadays, voluntary blood donation has become the major source of blood supply. Several mobile applications are currently available to establish the initial communication between blood donors and receivers. Recommending the right potential donor during a blood search can save the life of a critical patient with an immediate response from the donor. However, the requirement of an advanced recommendation system has not been addressed by any of the existing mobile applications. In our research work, we have designed a real-time, intelligent, and rational recommendation system using sentiment analysis of the user's feedback, response rate of the donor, and the current geo-location information and finally develop a cross-platform application for blood collection and distribution system. To process and generate features from the user feedback, we have designed a Bi-directional LSTM-based deep learning model. The quality of the recommendation of the potential donors has significantly improved. Moreover, we have conducted rigorous requirement analysis from real users and evaluated the performance of our application through both indoor and outdoor testing.
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.