PLASMA DONOR APPLICATION

LITERATURE SURVEY

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Arunkumar Chinnaswamy, Gurusankar Gopalakrishnan, Shabala Natarajan(2015). A study on Automation of Blood donor classification and Notification Techniques*. This paper presents the increasing demand of blood donor in the field of healthcare related to automation processes. The present scenario tells us that blood donation services are manual and the demand for the blood is stably on the rise. Meanwhile, the number of voluntary donors is decreasing over the last few years. To improve this blood donor, automation and notification methods came to connect communication through all over the world. In this paper, we compare the various implementation and previous research done on this techniques*.

Sumazly Sulaiman, Abdul Aziz K.Abdul Hamid, Nurul Ain Najihah Yusri (2016). Development of a blood bank management system. This paper tells us about the development of blood bank system. There are 3 systems for blood bank management system. They are Blood Bank India, Lions Blood Bank & Research Foundation(LBBRF) and BBMS standalone version. The Blood Bank India is a website that provides the facility for the donor to register by him/himself as a blood donor. This website is only for Indian citizen can register to the system. It provides a feature where a person or hospital can request the blood stock from BBI. LBBRF is a private organisation that provides a place to donate blood. They will conduct an event and here the donor or public people can donate the blood. They will also inform when is their next event to the donor, public people or in their website. The standalone system uses the Microsoft as the database of the system. It contains user account management, view stock list, donor registration and customer registration.

Radha R. Mahalle, S. S. Thorat(2018). Smart Blood Bank Based on IOT. In this paper describes, blood is very important in the medical field. The main purpose of the blood bank is to provide the blood to the patients with minimal blood transfusion error. As the blood bank management system consists of number of manual steps, so it becomes difficult to the blood bank to provide a large level of accuracy, reliability and automation technique in blood storage as well as transfusion process. This IOT based system will improve the response

time of the blood bank by connecting all the blood banks to cloud storage. The use of IOT system will provide benefits for blood bank.

Muddu krishna. G, Nagaraju. S(2016). Design and implementation of short message services (SMS) based blood bank. This paper describes about short message services based blood bank system. It consists of two types as data processing and packet account. The data processing type responds the user request and the packet count checks the availability of the blood samples. After that the user can communicate with the system via SMS whenever in-person required blood then that person has to send a request to the system via SMS. Then the system will respond to these request and send SMS including the address of blood bank which having availability of the blood stock. If the blood stock is not available then the donor's contact number will be sent to the patient.

Anish Hamlin M R, Albert Mayan J(2016). Blood Donation and Life Saver-Blood Donation App. This paper develops an application for finding the blood donation for making a request for the blood. If any blood seeker would login to the given application using GIS the patient will get detail about the nearby blood donor. Also, any blood donor can add themselves for donating the blood then he/she will receive the notification related to the blood donation camp. In this app all the blood banks are connected to the cloud storage. The cloud storage provides the real time information related to the available blood stock in every blood bank. If the blood is out of stock then the system will provide the contact details of the blood donors of different blood groups.

Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala(2022). Instant Plasma Donor Recipient Connector Web Application. This paper presents about the instant plasma donor. From the end of 2019, the world is suffering from the COVID 19 and till now no vaccine has been found for this pandemic situation. There is another way in which we can help people affected by COVID 19 by donating plasma from recovered patients. The COVID 19 positive tested patients can recover by the treatment of plasma therapy and it help them faster recovery. In the guidance of the system, the donor who wants to donate plasma can donate by uploading their COVID 19 certificate. Then the blood bank can see the donors who have uploaded the COVID 19 certificate and they can make a request to the donor and the hospital can register/login the website.

Shweta Pai, Zubair Hasan, Madhusmita Jena(2020). Green Colored Plasma Discovered in a Male Blood Donor. This paper tells about the green coloured plasma found in a male donor. Plasma is the largest part of our blood, the rest is taken up by the formed elements. Normally, the plasma is yellowish in colour this is not always , there have been range from yellow to orange to even brown

plasma. This is due to the presence of factors such as bilirubin, hemoglobin, carotenoids and iron transferrin. Recently, we have been reported a highly unusual sample of green coloured plasma in our blood bank. This paper clearly explains that how they found the green coloured plasma and how they evaluated.

Aishwarya R Gowri(2020). Developing a plasma donor application using function as a service in AWS. In this paper, the author tells how to develop a plasma donor app using function through AWS. Plasma is one of the liquid portion of the blood, over 55% of human blood is plasma. It is used to treat various infectious diseases and it is one of the oldest treatment in medical is known as plasma therapy. Plasma therapy is a process of blood is donated by recovered patients in order to establish antibodies that fights the infection. In this paper plasma donor application is developed by using AWS service. The services used are AWS lambda, API gateway, DynamoDB, AWS Elastic Compute cloud with the help of these AWS services. This application will save the donor information and notifying about the current donors. It would be a helping hand to save time and help the users to track down the necessary information about the donors.

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