Plasma Donor Application

Literature Survey

P. Priya, V. Saranya, S. Shabana, and Kavitha Subramani, "The Optimization of Blood Donor", Information and Management System by Technopedia, Panimalar Engineering College, Chennai, India, (2015).

In today's world, Supply chains are more complex than ever before. There has been an increased demand for blood in India and its needs are also growing rapidly. The annual requirement for blood in India is around 11 million units, with only 8 million units available at any point of time. Though India has a large number of blood banks established all over the country, there is only 52% voluntary blood donation which is far below the replacement level of the blood required. There are many studies on voluntary blood donations documented at hospitals and blood banks where the majority is of replacement donors, still there are less studies done in the community which is a potential area for voluntary blood donors who can donate blood by just a little motivation in the right direction. A South India conducted hospital-based study and found that there is only 22.8% of voluntary blood donation at the hospital. In Optimization of Blood Donor Information, many authors have proposed a systematic and reliable blood donor management system in android application. The assistance provided by the proposed system is needed and the safety of the patient through a planned process by the blood management system is of utmost importance to the health sector. This application solves the problems such as wrong donor information, misuse by external people i.e. people who are not related to this in any way and the process involved when the donor updates the donated blood data replacing the older systems. The proposed system is an android application that helps us to reduce the mistakes at human level in the existing system. The internet technique enables the flow of data to work more rapidly and conveniently. The SMS services will be used to extend the future work of this application. We can hide the contact from other members by this process. This can be done without using the internet where the acceptor sends blood requests to donors by using the internet but the donor receives the request as a SMS in his mobile phone. By this the system can make sure that the strangers can't access the private details of the donor and everyone can contribute at the time of need.

MBB: A Life Saving Application Narendra Gupta1, Ramakant Gawande2 and Nikhil thengadi 3 1, 2, 3 Final Year, CSE Dept., JDIET, Yavatmal, India

In "MBB: A Life Saving Application" have proposed the system that will link all donors. The system will link all donors, create a database to hold data on

stocks of blood in each area and control a blood transfusion service. Also, this Application will show which patients require blood urgently. Here the donor will be able to register and in case any local client needs blood, donors will receive requests and can donate blood in cases of need.

AN ANDROID APPLICATION FOR VOLUNTEER BLOOD DONORS by Sultan Turhan.

For increasing accessibility and readiness, the volunteer blood donor is used in an android application of providing a continuous blood supply. This application helps health care centers and hospitals to provide the blood as quickly as possible to the required person when their stocks are insufficient. The admin will get the actual location of the available donor periodically from this application and will send requests to the donors. In this way, the system provides a flawless and efficient communication between the hospitals and the donors. The donors are determined by taking in account the distance of the potential donors from the health care center. Therefore an upsurge is also realized in this process. In the initial system, the distance calculation is made by taking the distance as straight as an arrow. This is converted into actual distance in the optimized system. This upsurge makes the system more realistic. The second improvement is accomplished on the system's infrastructure. Especially, by considering the rapid development of mobile device technology which uses Android operating systems, the system has been carried from the ANT building environment onto the Grade build automation platform. In further studies, we aim to add estimation of traffic density between donors' locations and healthcare centres.

"Blood Bank Management Information System in India" by 1, VikasKulshreshtha 2,Dr.SharadMaheshwari 1,Research Scholar, 2,Associate Professor 2 1,Singhania University, Jhunjhunu, Rajasthan, India 2,Government Engineering College Jhalawar, Rajasthan, India.

The review of main features, advantages and disadvantages provided by the existing internet based Information System for Blood Banks as introduced in "Blood Bank Management Information System in India" Introduces. This study compares the various existing systems and provides some more ideas for improving the existing system.

"Smart blood bank as a service on cloud" by UG scholar, terna engineering college.

The explanation about the web application, which will be hosted on cloud is explained in "Smart blood bank as a service on cloud". Their project principle is to take traditional websites on cloud, which provides the user the application

in the form of software as a service. They used rad (rapid application development) methodology model. In this system the authorized user (seeker) can search for requested blood group and view the profile. The system does include large database to filter out correct donor and no gps system is included.

"Android Blood Bank" by Prof.Snigdha1, Varsha Anabhavane2, Pratiksha lokhande3, Siddhi Kasar4, Pranita More5 Lecturer, Information Technology, Atharva College of Engineering, Mumbai, India 1 Student, Information Technology, Atharva College of Engineering, Mumbai, India 2,3,4,5.

The whole information about the blood bank management system will be accessed by admin only as narrated in "Android Blood Bank" about the android application which will prompt updates regarding donors. By depending upon the user's location this application provides records of blood banks.

"A Study on Blood Bank Management System" by A.ClemenTeena, K.Sankar and S.Kannan, Department of MCA, Bharath University, Selaiyur, Chennai-73, Tamil Nadu, India

The records of donors at a blood bank is organised by the management system as stated in "A Study on Blood Bank Management System". The system will allow the sanction of blood bank officers to login using a secret username and password to easily manage the records of the blood donors and the patients who need blood.