

Blood Bank Management System

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ABSTRACT

Help Line is a voluntary and non-governmental organization. It maintains online library of blood donors in India. Sometimes Doctors and Blood bank project have to face the difficulty in finding the blood group Donors at right time. Help Line has attempted to provide the answer by taking upon itself the task of collecting Blood bank project nationwide for the cause and care of people in need. At any point of time the people who are in need can reach the donors through our search facility. By mobilizing people and organization who desire to make a difference in the lives of people in need. On the basis of humanity, everyone is welcome to register as a blood donor. Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way. Aim is to provide transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

Keywords : Hidden web crawler, query optimization, search engines, metadata, document frequency, term

I. INTRODUCTION

The BLOOD BANK MANAGEMENT SYSTEM is great project. This project is designed for successful completion of project on blood bank management system. the basic building aim is to provide blood donation service to the city recently. Blood Bank Management System (BBMS) is a browser based system that is designed to store, process, retrieve and analyze information concerned with the administrative and inventory management within a blood bank. This project aims at maintaining all the information pertaining to blood donors, different blood groups available in each blood bank and help them manage in a better way. Aim is to provide

transparency in this field, make the process of obtaining blood from a blood bank hassle free and corruption free and make the system of blood bank management effective.

The Blood bank system project report contain information related to blood like

Blood type Date of Donation of blood
Validity of Blood's Available Blood group.

Need of Blood Bank Management System:

Bank blood donation system in java is planned to collect blood from many donators in short from various sources and distribute that blood to needy people who require blood. To do all this we require

high quality software to manage those jobs. The government spending lot of money to develop high quality “Blood Bank management system project”. For do all those kinds of need blood bank management system project in java contain modules which are include the detail of following areas:

Blood Donor
 Blood Recipient
 Blood collection
 Stock details
 blood bank system project Reports
 Blood issued
 Blood bank system project

One has to download the application. After downloading the application one has to register as a donor if want donate the blood. For registration some basic details like Name, address, contact, date of birth, blood group, email id etc are needed. If already register, then he/she has to login. The user can also request for required blood by giving any small description. This request is submitted to admin who accepts or rejects the request. Accepted request is published by admin.

- a) **Admin:** Admin is the person who monitors the information related to donor and acceptor. Administrator can change password, Maintain donor details. Maintain acceptor details, Update donor details, etc.
- b) **Donor:** Each new Donor has to register himself. For unique identification of the donor user id and password are provided after registration. Each

Donor has to fill all the basic details like name, date of birth, address, gender.

- c) **Acceptor:** Acceptor is the person who needs blood for someone related with him. He can make the request for the blood through application and website according to their blood group and requirement.
- d) **System Database:** It stores all necessary and important information related to donor, acceptor .There will be an option for updating the information related to users which helps in tracking and managing information.
- e) **Blood Donation App:** An android application created for making request for blood by checking the availability of the blood in different blood banks and for donating blood. It is also used for searching the nearby banks and hospital.

II. PROPOSED SYSTEM

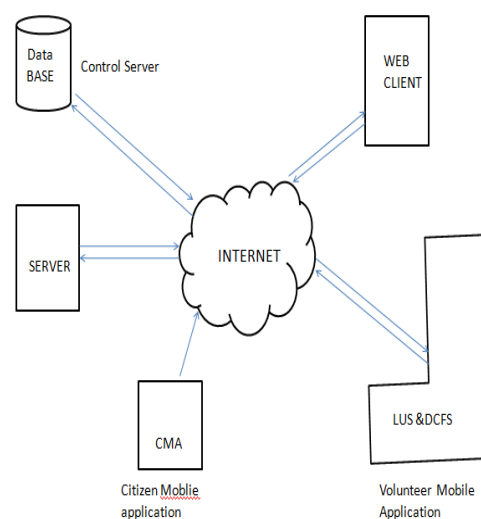


Fig 1. Architecture of blood bank system

III. LITERATURE SURVEY

Sr.No.	Paper	Author's	Technology used	Advantages	Disadvantages
1.	Is to fulfil every blood request in the country with promising android app.	L Bala Senthil Murugan, Anitha Julian. 2018 [ICCP CT-2018]	Raspberry Pi Kit	The system can be use to view all doner details accordingly select right doner.	Continous power supply needed.

2.	A blood bank database is created by collection of details from various NGO'S ,Hospital,NSS through web interface.	Jamalour Mohanlal,Mudra Kolla Krishna[ISSN NO:2348-4845]	ARM7 LPC2148	The android mobile user will be able make quick decision in selecting adoner.	The android mobile user will not be able to insert or view details if the server goes down.
3.	To reduce the time getting the blood from doner to recipient	J.Aswin Rupsanth,Dr.P.Marikannu ol.3,Issue 1,pp:[January-April 2017.	AURDINO KIT	System has login page which allow only registered user to login thereby preventing unauthorized..	Transportation is needed.

IV. CONCLUSION

We have proposed an efficient and reliable android application for blood bank. When there is urgent need for blood, it may not be possible for people to communicate with the each and every hospital and blood bank. For that the application can fulfill their requirements in short time span so that it can overcome the death rate. Thus the proposed system can help everyone who is need of blood anytime and anywhere. This system not only used for the blood bank automation system but also used for organ donation system. This system is very helpful for the smart city and smart nation purpose.

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