LITERATURE SURVEY ON PLASMA DONOR APPLICATIONS

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SURVEY ON PAPERS RELATED TO PLASMA DONOR APPLICATION

Name: Blood Bank Information System Based on Cloud Computing in Indonesia

Author: Muhammad Nur Sahid Ramadhan

Published year: July,2019

ICCOMSET 2018

Basic description:

Cloud computing can facilitate controlled distribution of blood by using an information system. The problems that occur in the distributions of blood at the hospitals in Indonesia are sometimes the distributions are not controlled, so the blood may run out of stock caused by inequality of blood needs, difficulty in finding blood donors, and don't have an integrated system. The purpose of this study is to propose a connecting system that integrates Indonesian society who can be personal donor to help blood supply availability of UTD PMI using BBIS (Blood Bank Management System) based on cloud computing.

Highlights of this project:

- Information management plays a major role in blood donor system
- Cloud computing helps in giving immediate info to the recipient

Disadvantages of the project: Overall, current system still manually method and there is no interconnection using application

based on web service or mobile service. This proposed system referring to digital transformation.

Limitations of the project:

- Cloud computing infrastructure Cloud computing is a model for enabling portable and convenient on-demand network access to a shared pool of configurable computing resource s, such as network, server, storage, application, and services .
- Cloud computing also accommodating data storage with large capacity, the system allocating resource can be managed easily and data or information can be provided easily to access on real time. IaaS also can be hosted for data storage.

- A virtual data stored can be found in the BBIS(blood bank info system) that can be accessed through a virtual machine and various integrated applications that can be accessed by both providers and users Only 40 lakh units of blood is available out of about 4 crore units of blood in each year in the nation.

- The direct contact donor and the recipient is not offered by many of the blood banks. This is critical when there is an emergency in need of blood.

- This aims to provide a direct link between the donor and the recipient. In this paper the blood donation management system (BDMS) through web application

References of this paper

1. Sulaiman, S., Abdul Hamid, A. A. K., & Najihah Yusri, N. A. (2015). Development of a Blood Bank Management System. Procedia - Social and Behavioral Sciences, 195, 2008-2013.

[2] Li, B. N., Chao, S., & Dong, M. C. (2007). SIBAS: A blood bank information system and its 5- year implementation at Macau. Computers in Biology and Medicine, 37(5), 588-597

Name: Blood Donating System Web Application Project Software Requirement Specification

Author: Benjamin King

Published year: April 27,2022

Basic description: A Blood Donating System Web Application can help many people to donate blood those who are in need. So, they will have a pure registration, with necessary details and those who need blood will log in and check for the donors' list based on their locality and contact facility will be given such that both will be in contact and, they shall do the process necessary for blood donation.

Highlights of this project:

- Help many people to donate blood those who are in need.
- In a very short span, it provides users with many facilities.
- developing a website for blood donation.
- There are three phases involved in this project.
- Development process functional and non-functional process are major for the project to succeed.

Disadvantages of the project:

- Less Security
- Internet Connection Required

Limitations of the project:

- only web-based system available

- No Mobile based system available.

Name: REVIEW ON BLOOD BANK MANAGEMENT SYSTEMS

Author: Mohit

Published year: April 2021

Basic description: In blood bank management systems there is a database which have all information of blood donors and blood banks so whenever any receiver wants blood then the system checks all compatible blood availability in the database and works according to that.

Highlights of this project:

- Contact donor via Toll free no

- compare between all existing Blood bank management systems

- Login in app and get information of blood donors

- System to manage information about donors and patients and only authorized personals have authority to use that information

Disadvantages of the project:

- Less security.
- Internet connection required.

Limitations of the project:

- Loss of Data due to mismanagement.
- save information's in the form of excel sheet.
- lacks data security & leads to error prone results.

References of this paper

G. Muddu Krishna; S. Nagaraju(2016),"Design and implementation of short message service (SMS) based blood bank", 2016 International Conference on Inventive Computation Technologies (ICICT) Muhammad Arif; S. Sreevas; K. Nafseer; R. Rahul (2012) "Automated online Blood bank database", 2012 Annual IEEE India Conference (INDICON) "Benefits of Management Information System in Blood Bank" by 1, Vikas Kulshreshtha, 2, Dr. Sharad Maheshwari 1, Research Scholar, 2, Associate Professor 2 1, Singhania University, Jhunjhunu, Rajasthan, India 2, Government Engineering College Jhalawar, Rajasthan, India [4] The Optimization of Blood Donor Information and Management System by Technopedia P. Priya1, V. Saranya2, S. Shabana3, Kavitha Subramani4 Department of Computer Science and Engineering, Panimalar Engineering College, Chennai, India 1, 2, 3, 4 [5] Anish Hamlin M R, Albert Mayan J (2016), "Blood Donation And Life Saver-Blood Donation App", 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT) [6] "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 [7] "A Study on Blood Bank Management System" by A. Clemen Teena, K. Sankar and S. Kannan, Department of MCA, Bharath University, Selaiyur, Chennai-73, Tamil Nadu, India

Name: A New Concept of Blood Bank Management System using Cloud Computing for Rural Area (INDIA)

Author: Javed Akhtar Khan and M.R. Alony

Published year: February 2015

Basic description: Efficient blood bank management system using a cloud computing concept with mobile SMS facilities should be developed, with the aim of ensuring that every patient has access to an adequate quantity of safe blood in a centralized manner. The management system should solve the issue of demand and wastage and lead to self-sufficiency in blood requirement. This should encourage new donors and retain old donors to donate blood

Highlights of this project:

we want to revisit autonomic computing , which defines a set of architectural characteristics to manage system ,where complexity is increasing but must be managed without increasing cost or the size of the management team ,where a system must be quickly adaptable to new technologies integrated to it, and where a system must be extensible from within corporation out to the broader ecosystem and vice versa.

Limitations of the project:

* Absence of GPS System for tracking the current location of the user.

References of this paper

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Management Information System in Blood Bank Vikas Kulshreshtha, 2, Dr. Sharad Maheshwari RESEARCH INVENTY: International Journal Of Engineering And Science ISSN: 2278-4721, Vol. 1, Issue 12(December 2012), PP 05-07 Www.Researchinventy.Com. [3]. 91-US-31-1_Cloud_Computing White Paper Cloud Computing: Thin clients in the clouds [4]Bharat BloodBank,http://www.bharatbloodbank.com 3.Jeevan BloodBank,http://www.jeevan.org/11 [5] http://www.ehow.com/about_5568190_importance- blood-banks.html [6]http://www.cancer.org/treatment/treatmentsandsideef fects/treatmenttypes/bloodproductdonationandtransfusi on/blood-transfusion-and-donation-donating-blood [7]http://seminarprojects.com/Thread-blood-bank- management-system-advantages-and- disadvantages#ixzz2pmvg7qv4 [8] www.wikipedia.com [9] Buecker, Lodewijkx, Moss, Skapinetz, Waidner,