

PROJECT TITLE: PLASMA DONOR APPLICATION

LITERATURE SURVEY

Blood Donation Application system is programmed in order to help the human or patient. Who are seeking plasma, it keeps the detailed information as what kind of plasma scarcity of rare blood group. unavailability of blood during emergency. Less awareness among people among blood donation blood transfusion. Death during the lack of blood during operation. It doesn't store plasma but store information about the plasma because there was time need plasma in urgent and help the people to find plasma donor.

A. Bharat Blood Bank in India [2005] - Donors in India who want to donate blood can register at Bharat Blood Bank after reading the basic constraints of donating blood. Bharat Blood Bank requests the donor's name, password, and ID to allow the donor to access his account, which contains information about his date of birth, blood group, gender status, weight, email ID, mobile no, city, address, state, and information about kidney, cancer and heart disease, and date of his last blood donation. After that, the people who need blood can browse the site and display the list of blood donors. BharatBloodBank.com allows recipients to search by area to have more reachable donors. The website provides the phone number to the recipients to make contact with the donor. Also, BharatBloodBank.com provides information about Blood Donation, such as tips, scientific information, facts, etc. It selects other blood banks for blood donation. BharatBloodBank.com offers these services for free. Further, the site doesn't use the collected information for any commercial purposes. [1]

B.Web-based blood donor MIS in Uganda [2009] - A web-based blood Management Information System (MIS) was developed to improve the lives of the vulnerable in Uganda, besides providing adequate supply of blood. The study objectives were to develop a web-based blood management system to help in the management of blood donors' records and make it easy to distribute the blood in different parts of the country, based on each hospital's demands. [2]

C. An IEEE paper was authored on Data Mining for Better Healthcare[2016]:

A Path towards Automated Data Analysis? By Tania Cerquitelli, Elena Baralis, Lia Morra and Silivia Chiusano. This paper addresses the mining activity from the medical database perspective. The mining system should be able to devise which knowledge could be most interesting to the user extract actionable knowledge from large medical dataset with minimal user intervention. System should be capable of yielding actionable knowledge extracting manageable sets. Large parameter spaces need to be explored at abstraction level to envision a system capable of evaluating and comparing many data-mining technique configurations at a time. In 2015, a IEEE paper on Mobile Based Healthcare Management using Artificial Intelligence was authored by Amiya Kumar Tripathy, Rebeck Carvalho, Keshav Pawaskar, Suraj Yadav, Vijay Yadav. In this paper, the health-care management system is proposed which will consist of mobile based heart rate measurement so that the data can be transferred and diagnosis based on heart rate can be provided quickly with a click of button. The system will consist of video conferencing to connect remotely with doctor. The system will also consist of Doc-Bot and an online Blood Bank. In this implemented project, heart rate calculation differs from actual one due to noise present in input signal. So the performance is not efficient in practical. Methodology used Clustering, Text Mining, Pattern Matching, Support Vector Machine, Partitioning Algorithm and DonorHART tool used in collecting donor reaction information. Limitations are Difficulty in handling emergency situation and No proper security for personal details misuse.

D. Serverless computing: Economic and architectural impact [2017] - In this paper, the author has carried out analysis based on the opportunities presented by serverless computing. They emphasise that serverless services are more affordable approach for many network services and it is more user friendly as serverless approach will relieve the customers from the intricacies of deployment. These services will help to improve the new business opportunities. [4]

E. Building a chatbot with serverless computing[2016]- Author conducted a survey of existing serverless platform in this paper from source projects, industry, academia, use cases, and key characteristics and has described the challenges and the open problems associated with it. Authors work presented a hands on experience

of serverless technologies using different services from different cloud provides such as Amazon, Google, IBM, Microsoft Azure. [3]

REFERENCES

[1] Bharat Group. Bharat Group Launches A Noble Non-Profit Social Service Initiative, 2005.

[2] Fredrick K. A Web-Based Blood Donor Management Information System for the Red Cross Society, Uganda (Wbbdmi), 2009.

[3] P. C. P. C. a. V. I. M. Yan, “Building a chatbot with serverless computing,” IBM watson research center, 2016.

[4] R. C. Gojko Adzic, “Serverless computing: Economic and architectural impact,” ESEC/FSE, 2017.