

A grayscale image featuring a hand holding a small globe. The hand is positioned at the bottom, with the palm facing upwards, supporting the globe. The globe shows a grid of latitude and longitude lines. In the upper left corner, a thin branch with small, dark leaves extends diagonally across the frame. The background is a plain, light color.

E-BLOOD BANK SYSTEM

TEAM MEMBERS

D.POOJITHA

KEERTHIKA.R

GUIDE NAME

MRS.P.VIJAYALAKSHMI

INTRODUCTION

- The Blood Donation Agent is to create an e-Information about the donor and organization that are related to donating the blood.
- Through this application any person who is interested in donating the blood can register.
- Moreover if any general consumer wants to make request blood online he or she can also take the help of this site.

ABSTRACT

This project goal is to maintaining all the information about blood donors, different blood groups available in each blood bank and help them manage in a better way. Our 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.

EXISTING SYSTEM

- Cannot Upload and Download the Latest Updates.
- It is Time Consuming.
- It Lacks of Data Security.

PROPOSED SYSTEM

GOALS:

- To ease the process of blood donation.
- To improve the existing system.
- To be highly available.

SCOPE:

- To include all the blood banks at least within a city.
- Make sure the program is simple and easy to use.

LITERATURE SURVEY

S.NO	Title of the paper	Abstract	Author name	Year of publishing
1	Intelligent Blood Management System	This paper presents an efficient method for a smart blood management system, called Intelligent Blood Management System (IBMS).	Mitesh Sarode	2019 IEEE Bombay Section Signature Conference (IBSSC)

Link:<https://ieeexplore.ieee.org/document/8973008>

LITERATURE SURVEY

S.NO	Title of the paper	Abstract	Author name	Year of publishing
2	A standard compliant Blood Bank Management System with enforcing mechanism	Blood is a non-replenishable entity, the only source of which are humans. Timely availability of quality blood is a crucial requirement for sustaining the healthcare services.	Amarjeet Singh Cheema	07 January 2016

Link: <https://ieeexplore.ieee.org/document/7374145>

LITERATURE SURVEY

S.NO	Title of the paper	Abstract	Author name	Year of publishing
3	Computerized Central Blood Bank Management System (CCBBMS)	Blood is a vital constituent in human body that is indispensable for human life, it supplies nutrient and oxygen to all body cells, because of this essential role, blood bank was introduced in this paper	Mohammed Y. Esmail	2018 International Conference on Computer, Control, Electrical, and Electronics Engineering (ICCCEEE)

Link:<https://ieeexplore.ieee.org/document/8515789>

LITERATURE SURVEY

S.NO	Title of the paper	Abstract	Author name	Year of publishing
4	Location Based Blood Bag Management using active RFID and Ubiquitous Sensor Network	This study focuses on the solutions to prevent fatal risk to patient's life caused by transfusing blood which is wrong type or has exceeded norm temperature, to protect wrong blood transfusion by a person.	Do-Sung Kim	26 December 2007 in IEEE Xplore

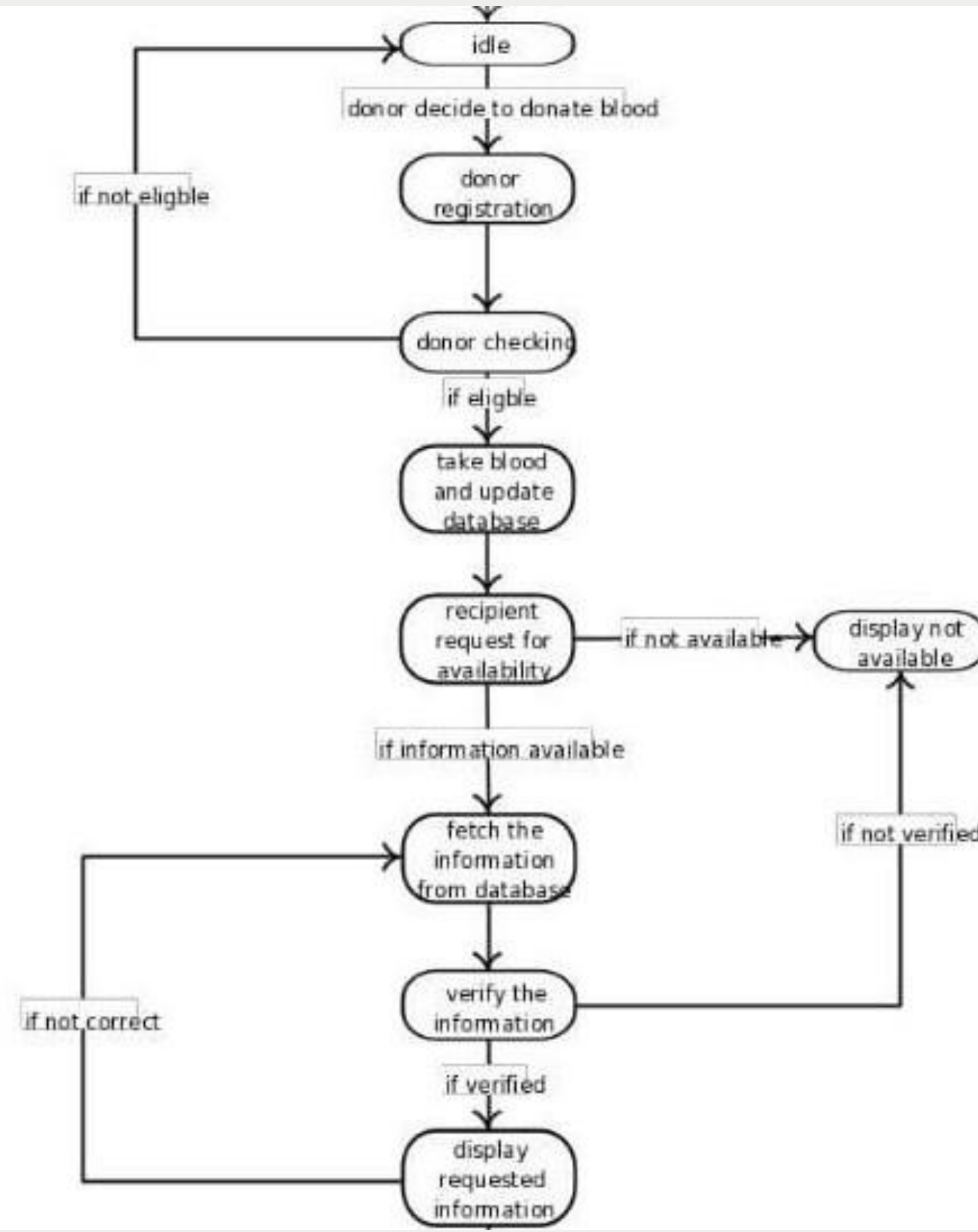
Link:<https://ieeexplore.ieee.org/document/4407413>

LITERATURE SURVEY

S.NO	Title of the paper	Abstract	Author name	Year of publishing
5	Automated blood bank system using Raspberry PI	Raspberry pi based blood bank system proposed to bring blood donors to the one place. The aim of this system is to Ful fill every blood request by using android application and raspberry pi.	Ashlea C. Adsul	28 June 2018 in IEEE Xplore

Link:<https://ieeexplore.ieee.org/document/8399073>

WORK FLOW DIAGRAM



TECHNOLOGIES USED

FRONTEND

- HTML
- CSS
- JAVASCRIPT

BACKEND

- PHP
- MYSQL

SOFTWARE REQUIREMENTS

- XAMPPSERVER

CONCLUSION

This software is efficient in maintaining donor's details and can easily perform operations on blood donation's records. This software also reduces the work load of the blood bank management to know how much blood is available and also keep the records of how many patients get the blood from the blood bank.