DAYANANDA SAGAR UNIVERSITY

A MINI PROJECT REPORT

ON

"BLOOD BANK MANAGEMENT SYSTEM"

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BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE & ENGINEERING

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<u>INTRODUCTION</u>

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.

PROBLEM STATEMENT

The project aims at maintaining information about different blood groups available in each blood bank and helping them manage in a better way. This project is used to make the process of getting blood from a blood bank easy.

OPERATIONAL DEFINITION

The most prominent steps that would be used in developing this project: -

- Upload donor-list to the directory of your choice. (E.g : /var/www/html/donor-list)
- Import MySql Db file to your database software (E.g : PhpMyAdmin -> Create DB -> donor.sql)
- Configure connection between your database and server by modifying the /includes/connection.php file

SCOPE OF THE PROJECT

This project has a large scope as it has the following features which help in making it easy to use, understand and modify it:

Donor Management - Donor Registration, Managing donor database, recording their physical and medical statistics.
- Inventory management in blood bank for storage and issuance of blood.
- Blood requisition and issuance of blood.
- Online transfer of blood from one blood bank to another.
- Discarding of expired and unsuitable blood (Less Qty., Reactive, Clotting, Hemolysis).
- Being a web based system, can be implemented throughout the state. - - Separate user accounts can be created for each blood bank.
- Patient Register/Blood Sample Receiving Register, Donor Register, Blood Issue Register and Discarded Blood report.
- Fridge Wise Stock Position and Printing of Fridge Stickers.
- List of Donors who are eligible for donation on a particular date with contact Number.
- Camp Wise Donor List and Printing of Donor Cards.

EXISTING SYSTEMS

Blood Bank Management system is simple,and such doesnt offer many features. Its a quick and perfect way to find the donor of a particular blood group along with there database to contact them.

CURRENT ISSUES/PROBLEMS

People now a days die due to the lack of blood caused due to accident finding the donor of a particular group is a time consuming work by that time patient may even die. So this a quick and simple application we need it is a perfect way to find the donor.

PROPOSED SOLUTION

After implementation of project:
- It is an easy to use web based system.
- Donors can register with their databases online.
- Centralized control by the administrator.
- Quickest way to find the donor.

REFERENCE

- https://www.researchgate.net/publication/329519303_Blood_Bank_System