Blood Bank Management System

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Abstract

Blood Bank Management System is a project designed to automate the differenceoperation in blood bank. This project manages and maintains the records of the donor, recipient, stock and the transaction. The modules available in this project are donor details, recipient details, stock details, transaction and other details like equipment, employee, supplier details. Donormodule have the details of new and existing donor. In recipient module, it contains the details of recipient and they request for the certain blood group through hospital. In Stock details it contains the availability of blood and equipment. In equipment module it provides the details of ordered and purchased equipment. Employee modules gives the information about the employee and their designation along with the basic pay. In supplier module, we provide supplier details. Reports can be generated for donor, recipient, stock and transaction in month wise or date-to-date.

In this blood bank management system it is easy to store and retrieve the details of existing donor. This project completes the needs of the patients at the right time.

Keywords: Blood Bank Management system, Blooddonation, Donor

1.INTRODUCTION

To improve the efficiency of blood stock management by alerting the blood bank staffs when the blood quantity is below it par level or when the blood stock has expired. To provide an efficient donor and blood stock management functions to the blood bank by recording the donor and blood details.

The system is used for maintaining all the process and activities of blood bank management system. The system can be extended to be used for maintaining records of hospital, organ donation and other similar sectors. While developing the system, there shall be space for further modification. There shall be a proper documentation so that further enhancement becomes easy.

2. PROPOSED SYSTEM

In order to overcome the drawback of existing system, the current system is developed to provide accurate information in a fraction of seconds. To maintain blood stock and equipment stock, this system is computerizes all data by storing donor details, recipient details, employee details along with salary and camp details. At the time of validation, while entering the data there won't be any duplication data. And it requires cost effective and less man power.

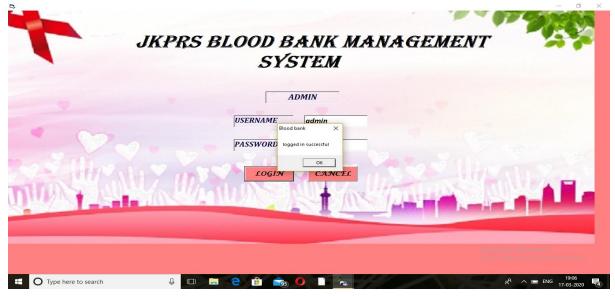
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It provides the unique identification number at the timeof **blood donation** camp which helps him for the future correspondence.

3. MODULES

3.1. Login for Admin

This module will allow the administrator to enter their respective forms.



3.2.New Donor Details

This module will enable admin to add new donor. Blood is collected from the donor and investigated for any diseases.



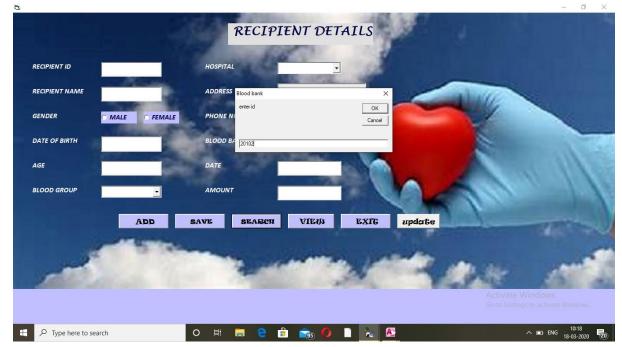
3.3.Existing Donor Details

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10	104	kalai	23-06-1996	24	female	18-02-2020	M G PAR
10	105	GHJK	02-03-1990	30	female	18-02-2020	
10	106	FGHJK	01-02-1990	30	male	18-02-2020	
10	107	kadhir	12-03-1990	30	male	18-02-2020	
10	108	kowshi	22-08-1994	26	female	19-02-2020	
10	109	subha	24-03-1998	22	female	22-02-2020	-
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This module enables to change or alter details already existed donor.

3.4.Recipient Details

This module helps the recipient to receive blood from donators or from hospital and the blood can be issued.



3.5.Blood Stock Details

In this module blood can be stored and the details of blood can be maintained.

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3.6.Equipment Stock Details

This module maintains the details of equipment and allows to storing the item.



3.7.Camp Details

In this module details of camp where we conducted and collected theblood can be added.

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3.8.Employee Details

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This is maintained by the administrator, enables the administrator to modify the details of the employee and salary of the employees.

4. CONCLUSION

Blood Bank Management System helps to manage blood stock. Blood donation is the good thing for a individual person healthy life. This is because during the blood donation, our body will be replaced new blood cells which have a better protein, from this program awareness of

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blood donation will increase. As the donor's data is saved in the system we reject those who have HIV or other infections. This system was mainly designed to reduce the manual work of updating, modifying and to search the data, thus it makes easier to user and this management system was implemented successfully.

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