SOFTWARE ENGINEERING PROJECT

***ONLINE BLOOD BANK MANAGEMENT***

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INTRODUCTION

Blood is an important factor that is very essential in the life of every organisms .Nowadays, we see that people lose their precious life without getting the blood at the right time due to improper contact of the blood donors .The software system is an online blood bank management system that helps in managing various blood bank operations effectively.

OBJECTIVES

To create awareness and solve all these problems this online blood bank app can be of great help as it provides required info in no time and also helps in quicker decision making .This also helps to motivate people for Blood Donation easily.

FEATURES

* User can send blood request and they can check donor’s list.
* Management can organize Blood Donation Camps.
* Blood donors can register through online.
* Management can manage donor’s database by recording their physical and medical statistics.
* Medically qualified management in blood bank for storage and issuance of blood.
* Blood request from one branch to another.
* Displays information about expired blood.

PROBLEM STATEMENT

The problem definition of the system is to launch an online interaction medium for the blood donation management.

The main aim of this project is to help the people who needs blood in emergency and to associate some donors who are willing to donate their blood to needy people and save their lives.

The user will be able to :

* Search donors of suitable blood groups and contact them if needed.
* Donate blood by registering themselves with our system and can also become donors.
* Will be able to see the stock of various blood groups.
* Send request for blood via “contact us”.
* Get information about all the blood campaigns.

The proposed system will be designed to provide functionalities as mentioned below:

1. Register

The donors/users will be firstly required to register themselves. In this the user will be asked for their full name, age, gender, contact number, address, blood group , email id, password, user id, etc.

\*Note: The password should lie between 8to15 characters including digits and some special characters(/, @, \*, etc).

And hence after filling all the details an OTP will be generated.

2. Login

The registered users do not need to register themselves and can directly login via user id and password. If the user forgets password then they can easily reset their password by choosing/clicking “forget password”.

3. Admin

To modify or update the system. And also to see the requests of blood requirement and manage to contact that person.

4. Volunteers For Blood Campaign

People who want to volunteer can register themselves. The volunteers will be trained properly about the improvement of donating blood and will encourage other people also.

5. Hospitals Registration

There will be separate option for hospitals to register themselves. It will require the following information:

* Hospital Name
* Address
* Contact number
* Existing report of their stock
* Name of the owner
* Password

6. About Us

This will display our software and project aims and objectives. The user will also be provided a “contact us” options inside which the phone number, email id, whatsapp number and address will be available.

7. FAQs

This will show the questions, demands and other stuffs along with their answers which are asked frequently by the users. Where they can also comment on our views or suggestions or ask questions, their replies will be given as soon as possible.