

**MINI PROJECT – (I)**  
**(2021-2022)**  
**BLOOD BANK SYSTEM**  
**SYNOPSIS**



**DEPARTMENT OF COMPUTER ENGINEERING & TECHNOLOGY**  
**INSTITUTE OF ENGINEERING & TECHNOLOGY**

**Submitted To:**

**Mr. Sharad Gupta**  
**(Assistant Professor)**

**Submitted By:**

**Vanshika Bansal (191500894)**  
**Harshit Bhardwaj (191500322)**  
**Surendra Pratap Tomar (191500831)**  
**Prankush Jain (191500571)**

**Department of Computer Engineering and Applications**  
**GLA UNIVERSITY, Mathura**

**Contents**

---

1. Introduction .....	(1)
2. Motivation .....	(2)
3. Picturization Of Our Model.....	(3)
4. Proposed Technologies.....	(4)
5. Module to be Define .....	(5)
6. Future Scope.....	(6)
7. Audience Target .....	(7)
8. Advantages/Disadvantages .....	(8)
9. Software Required .....	(9)
10. Hardware Required .....	(10)
11. Reference .....	(11)

# **1.INTRODUCTION**

The main objective of the project is to provide the Blood (Specific Group) to the People in a simple way. This project is useful for finding the Blood Bank for getting the Blood in simple manner. To know the Location status there is an application tool for displaying the delivery in secure way.

The system is intended for those who want blood in emergency. And the privileges that are provided to customers to read and execute by providing name, address, contact no. and some specific information for secure delivery

as soon as possible and in case of delivery service problem occur then we provided him\her the nearest blood bank address.

The whole delivery analyzer will be under the control of the administrator of blood bank and the customer.

## **2.Motivation**

We are working on this project as this project is helpful for those who's patient needs rare case of blood in emergency. As this project provides efficient facility for the users to get the blood as soon as possible. Therefore we came with this project.

### **3. Proposed Technologies**

**1. HTML:** Hypertext Markup Language (HTML) is the standard markup language for documents designed to be displayed in a web browser

**2. CSS:** For making interfaces more attractive and stylish.

**3. Php:** PHP is a server scripting language, and a powerful tool for making dynamic and interactive Web pages.

**4. My SQL:** SQL is a standard language for storing, manipulating and retrieving data in databases.

## 4.Picturization of Our Model



# Blood Bank Management System

Government of Jharkhand



HOME DASHBOARD ADMIN REPORT REGISTRATION SEARCH USER MANUAL CONTACT US



Donate **blood**  
to save lives


### Login

UserName:

Password:

[Forget Password](#)

(Login Form)




## -BloodBank@NIC

A Complete BloodBank Management System

Build No: 3.0.1.405 Updated On July 30,2021,Friday


Registration using APP || Balod || Blood Bank , GMSH-16 || District Hospital Dhamtari || NMMC Blood Bank, Vashi || Blood Bank Narayanpur || KIMS BLOOD BANK HUBLI KARNATAKA || BI

Connected with e-BloodBank@NIC ::




38

Registered Blood Bank




151026

Registered Donor



94732

Voluntary Donor



2052

Donation Camps

### Connected with e-BloodBank@NIC

☒ Bishalgarh SD Hospital Blood Bank


Stock Status As on 19/10/2021 08:35:17 AM

Whole Blood = 6  
[ A+3 , O+2 , AB+1 ]  
PRBC = 0  
PLASMA = 0  
Fresh Frozen Plasma = 0  
Platelet = 0  
PRP = 0  
Cryo = 0  
CPP = 0  
LRBC = 0  
LPC = 0

### e-BloodBank@NIC Features

- > Blood Bank Registration
- > Donor Registration, Screening and Phlebotomy
- > Blood Donation Camp Organization
- > Batch/Single Sample and Blood Bag Processing
- > Blood Grouping and TTDI Screening
- > Blood Processing (Component Preparation)
- > Batch Release of Blood/Component
- > Requisition of Blood/Component
- > Pre-Transfusion Blood Grouping and Microbiology Screening
- > Blood/Component Inventory
- > Issue of Blood/Component for Transfusion
- > Blood Transfusion and Monitoring
- > Transfusion Reaction Monitoring
- > De Agent Quality Control Management

### Facts & Figures




#### Facts about donors

- \* The number one reason donors say they give blood is because they "want to help others."
- \* Two most common reasons cited by people who do not give blood are: "Never thought about it" and "I do not like needles."
- \* One donation can help save the lives of up to three people.
- \* If you began donating blood at age 17 and donated every 56 days until you reached 76, you would have donated 48 gallons of blood, potentially helping save more than 1,000 lives!
- \* Half of Red Cross donors male, and half are

### Blood Availability@e-BloodBank

Bishalgarh SD Hospital Blood Bank



■ Whole Blood ■ PRBC



Available Blood Groups



Search Blood Groups



Donor Registration



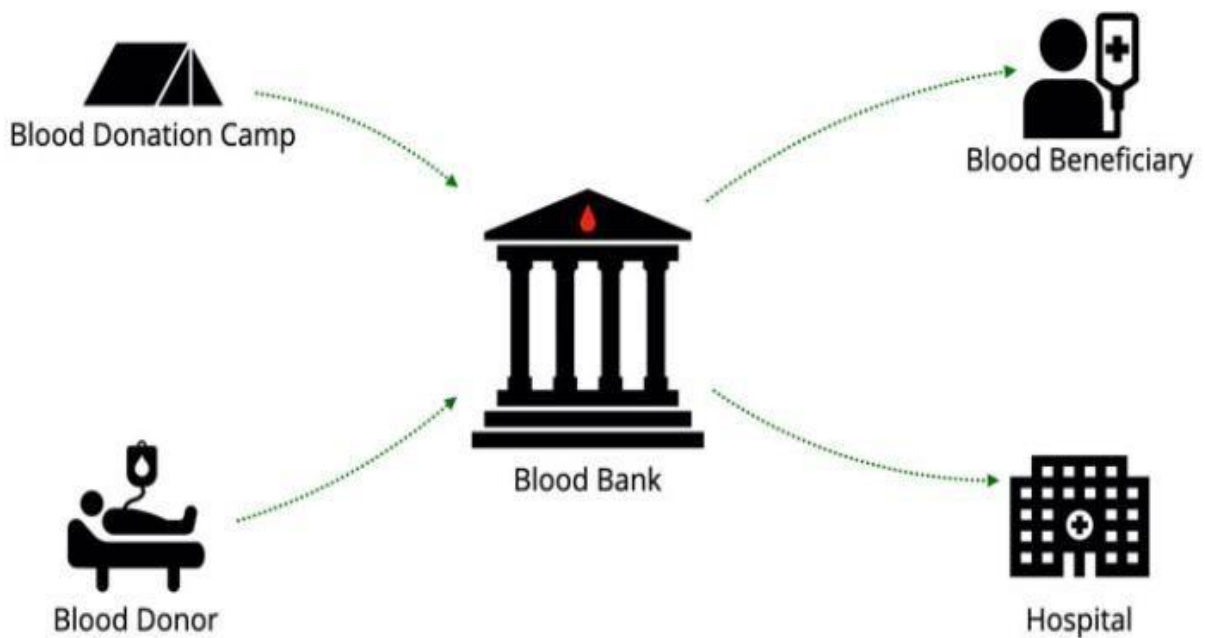
Search Donor



#### Compatible Blood Type Donors

Blood Type	Donate Blood To	Receive Blood From
A+	A+ AB+	A+ A- O+ O-
O+	O+ A+ B+ AB+	O+ O-
B+	B+ AB+	B+ B- O+ O-
AB+	AB+	Everyone
A-	A+ A- AB+ AB-	A- O-
O-	Everyone	O-
B-	B+ B- AB+ AB-	B- O-
AB-	AB+ AB-	AB- A- B- O-

#### Blood Donation Camp Event



## **5.Module to be Define**

### **A) Administrator**

1. He/she is a super user who enjoys all the privileges.
2. Add Update Display Delete Delivery details .
3. Add Update Display Delete Blood Information.
4. Approve/Disapprove The Request of Delivery .
5. View Total Delivery of each all Users.
6. Can send instruction/notification to every User.
7. Update Records.

### **B) Management**

1. He/she is required to create account and then gets approved by the administrator.
2. View the list of Orders and Manage the available or unavailable Blood in Bank.
3. Update Delivery OR Payment Methodology.
4. He/she will manage the hospitality of Blood or the how Much blood they Have in there Bank.

### **C) User**

1. He/she needs to create an account.
2. Can view Availability of Blood in Nearest Blood Bank anywhere in UP.
3. Generate The Order.
4. Choose the payment Mode.
5. Update his/her order details.



## **5.Future Scope**

As the needs of blood are increasing day by day. Previously, We provide the blood in state level only by increasing future accepts we of our website we deliver this services in whole india etc.

## **6.Audience Target**

Mainly we are trying to target hospitalized Patient, hospitals as our audience. From this project Users as well as Hospitals get benefited.

## **7.Advantages / Disadvantages**

### **Advantages :-**

- This system helps to reduce the waiting time of the Users/hospitals.
- User/hospital can order their Blood according to their preference.

### **Disadvantages :-**

- It requires an internet connection.
- It requires large database.

## **8. Software Requirements**

- **Database** : My SQL
- **User Interface Design** : HTML, CSS, PHP
- **Web Browser** : Mozilla, Google Chrome, IE8, OPERA
- **Software** : XAMPP/WAMP Server
- **Operating System** : Windows

## **10. Hardware Requirements**

- **Hard Disk** : 100MB upto 210 MB
- **RAM** : 4GB
- **Processor** : Core i3 (8<sup>th</sup> generation)
- Computer Device, Mobile (To check the working of our website).

## **10.References**

**1.<https://www.w3schools.com>**

**2.<https://www.javatpoint.com>**

**3.[https:// www.php.net](https://www.php.net)**