

A Database Mini Project Report
on
“Blood Bank Management System”

Submitted to the
Savitribai Phule Pune University
In partial fulfillment for the award of the Degree of
Bachelor of Engineering
in
Information Technology
By

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A.Y. 2020-2021

CERTIFICATE



This is to certify that the mini project report entitled “**Blood Bank Management System**” being submitted by Nishant Pandey (33348), Manorama Patil (33353), Ritu Pawar (33355) and Rashmi Ranmale (33359) from TE11 is a record of bonafide work carried out by him/her under the supervision and guidance of Mrs.S.A.Jakhete in partial fulfillment of the requirement for TE (Information Technology Engineering) – 2015 course of Savitribai Phule Pune University, Pune in the academic year 2020-2021.

Date: 05/11/2020

Place: Pune

Mrs. Sumitra Jakhete
Guide

Mr.R.B.Murumkar
Subject Coordinator

Dr. Anant Bagade
Head of the Department

Principal

This Project Based Seminar report has been examined by us as per the Savitribai Phule Pune University, Pune requirements at Pune Institute of Computer Technology, Pune – 411043 on 05/11/2020

Internal Examiner

External Examiner

Acknowledgement

I would like to express my special thanks of gratitude to my teacher (Sumitra Jakhete) as well as our Head of department (Anant Bagade) who gave me the golden Opportunity to do this wonderful project on the topic

(Blood Bank Management System), which also helped me in doing a lot of research and I came to know about so many new things I am really thankful to them.

Secondly I would also like to thank my senior colleagues and friends who helped me a lot in finalizing this project within the limited time frame.

I would like to appreciate my team members who individually worked a lot and successfully completed our mini-project.

Resources that we have used for completing our project stackoverflow, tutorialspoint, javapoint ,we are glad to get advice from seniors and lab teacher.

Thankyou.!

Student Name-

Nishant Pandey

Manorama Patil

Ritu Pawar

Rashmi Ranamle

Abstract

This project is aimed to developing a Blood Bank Management System. Through this application any person who is interested in donating the blood can register himself in the same way if any organization wants to register itself with this site that can also register. Admin is the main authority person who can do addition, deletion, and modification if any required. The project has been planned to be having the view of distributed architecture, with centralized storage of the database. The application for the storage of the data has been planned. Using the constructs of Mysql server and all the user interfaces have been designed using the react technologies. The database connectivity is planned using the Mysql connection methodology. The standards of security and data protective mechanism have been given a big choice for proper usage. The application takes care of different modules which are produced as per the applicable strategies and standards that are put forwarded by the administrative staff. The entire project has been developed keeping in view of the distributed client server computing technology in mind. The specification has been normalized up to 3NF to eliminate all the anomalies that may arise due to the database transaction that are executed by the general users and the organizational administration.

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CHAPTER 1

INTRODUCTION

1.1 Purpose

In day to day life, everything is available to us on our fingertip. Technology has help us to achieve that. Being so advance in technology, we still face the issues because of which people are losing their lives. Blood shortage is one of the main cause in Medical fatality rate. To avoid this as much as its possible we intended to create a platform where people can help each other whenever its possible to them and also to maintain the records of blood donors, recipients, blood donation programs and blood stocks so that the data can be retrieve easily. The person who is need for blood will place the request for blood and the available donors on out platform will volunteer for it. This is our humble try to use the wide spread network for the betterment of the society.

1.2 Scope

Our Project covers blood bank where the management of donors, blood, donor's current address, hospital records and blood stock records according to their groups are done manually. Usage of our website will increase efficiency in almost all areas of Blood Bank Management System.

1.3 Aim and Objective(s) of the Project

The project's aim is to develop an application system to minimize the manual work for Blood Bank, Donor, Blood Group management. It monitors all of the Blood Group information, Blood cells, Blood supply and Donor list.

Objective of Project-

- To provide a means for the blood bank to publicize and advertise blood donation programs.
- To provide an efficient donor and blood stock management functions to the blood bank by recording the donor and blood details.
- To provide synchronized and centralized donor and blood stock database.
- To provide immediate storage and retrieval of data and information.

CHAPTER 2

Project Methodology

2.1 Product Function Perspective

The product is web based system where mechanism of checking availability of blood, transfer of blood with other. Functionalities is implemented-

- Proposed system will provide all requirements stated by stakeholders.
- Checking availability of blood stock
- Register as Donor and donate blood.
- Make blood request
- Transfer blood when required with specified quantity.
- Arrange blood campaigns
- Make announcements for employees

2.2 User Characteristics

There are mainly two users interacting in the system Donor, Nurse. Donors register themselves as donor by filling registration form provided on donor's page. Nurses handling all blood request, making announcement and handle blood campaigns and update details of campaigns.

2.3 General constraints

The project constraints are-

- Any person with age above 18
- Without any chronic disease
- And haven't donated from last three months
- Applicable for people living in Maharashtra
- As a web based system donors will receive notification about critical blood demand when online.
- The system allows the blood campaigns in pune city only.

2.4 System Assumptions

A Blood Bank stores blood of various blood groups. The system has six main entities:

- **Donor:** Many donors donate blood, each of different blood types. Also, a donor may donate blood more than once and he is identified by a donor id , name, gender, age, address and phone number.
- **Blood:** The blood donated by the donor is characterized by blood type and component
- **Hospitals:** The Blood Bank receives orders for blood from many hospitals for emergency purposes and other surgical requirements and each blood bank issues the same of required blood type. The hospitals are identified by id, name, address, email and phone number.
- **Nurse:** The Blood Bank is managed by the blood bank main who is identified by id, name, email and phone number. He is responsible for the proper management of the blood bank.
- **Donation:** It will create track of all donations taken place with all information like donation id, amount , blood address, date.
- **Transfer:** It will keep track of all transfers of blood taken place with status as pass and fail
- **Camps:** To store all blood campaign related information by storing camp_id ,name ,location and date.
- **Storage:** To store all blood events related information by storing name and location.

CHAPTER 3

Specific Requirement

3.1 Hardware Requirement

- Processor :- 1.6GHz
- RAM: 1 GB
- Hard Disk: 4 GB Space Requirement

3.2. Software Requirements

- Text Editor:- Vs Code
- Browser:- Mozilla firefox , Internet Explorer, Chrome
- Frontend:- React
- BackEnd:- Nodejs
- Database:- Mysql

3.3 Functional requirements

- **Employee Login –**
 - The system provides security features through username-password matching where only authorized users can access the system with different authorization level.
 - Input – Username, password
 - Output – Invalid or update blood details, logout
- **Donor profile Registration –**
 - This allows healthy public to register as volunteer donor.
 - Input – Adhar no , name, gender, mob no, address, blood group, email, age.
 - Output – Successfully register
- **Blood stock management –**
 - Blood bank staff can manage the blood stock starting from collecting the blood, storage, transference through the system. Each process or work flow can be traced from database. The record of donations and transfers kept recorded in database.

- **Arranging campaigns –**
 - Arranging different blood campaigns in order to collect blood for different blood types.
 - Input – camp id, name, location , date
 - Output – successful.

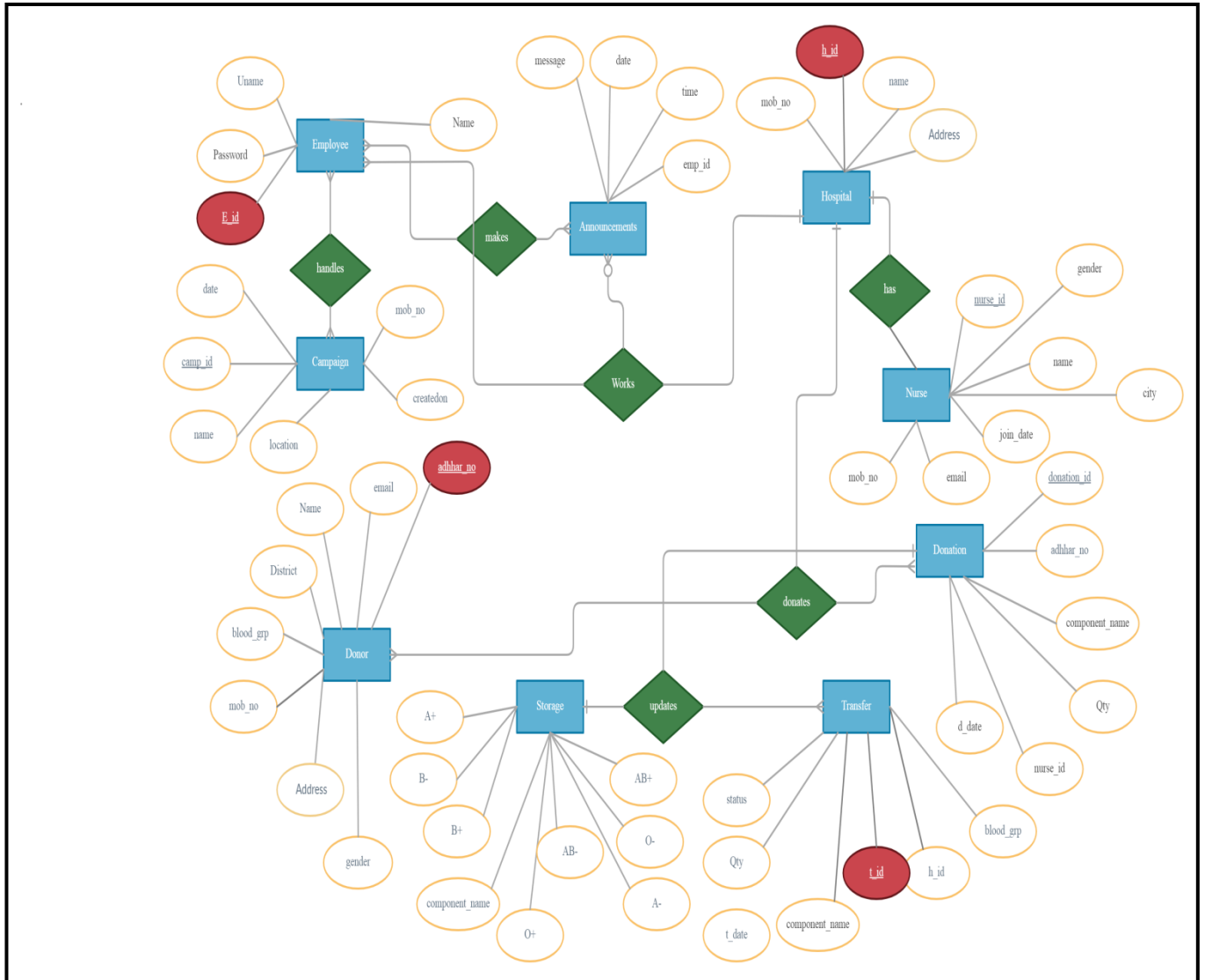
3.4 Non functional requirements

- **Availability –**
 - The system is available 24 x 7. In case of hardware failure the replacement page will be shown or database corruption, backups of the database should be retrieved from the application data folder and saved by blood bank employees.
- **Security –**
 - The system uses credentials like password and username for employee login.
 - Donors are automatically log out after a period of inactivity.
- **Reliability –**
 - The system is reliable in its operations and reliable for securing the sensitive details.

CHAPTER 4

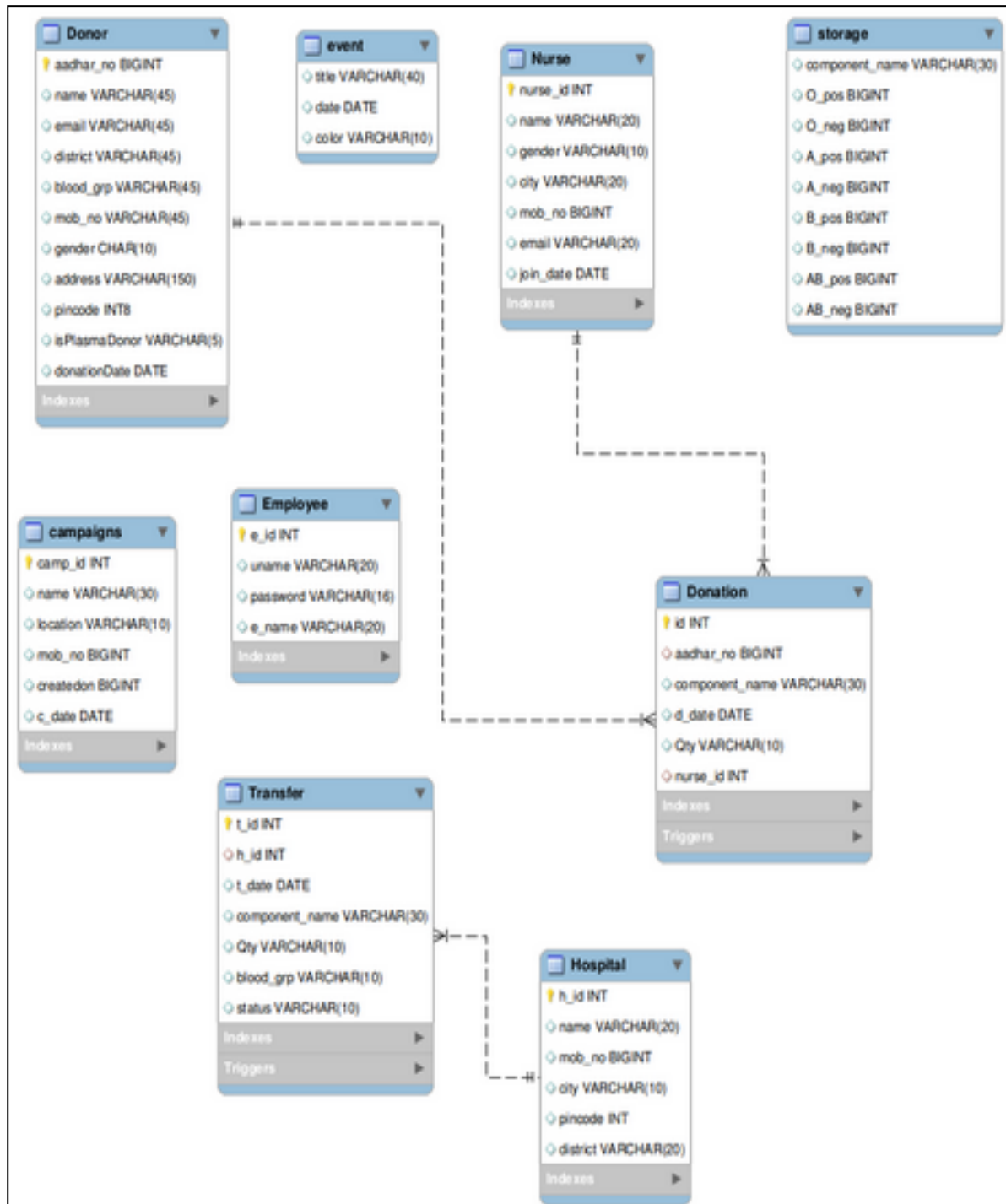
System Design And Implementation

4.1 ER Model



ER Diagram of Blood Bank Management System

4.2 Schema Description



Schema Diagram of Blood Bank Management System

4.3 Tables Description

1.All Tables in DataBase-

```
mysql> show tables;
+-----+
| Tables_in_Blood_Bank |
+-----+
| Donation              |
| Donor                 |
| Employee              |
| Hospital              |
| Nurse                 |
| Transfer              |
| campaigns              |
| event                 |
| storage                |
+-----+
9 rows in set (0.06 sec)
```

2.Donation Table-

```
mysql> desc Donation;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| id             | int           | NO   | PRI | NULL    | auto_increment |
| aadhar_no      | bigint        | YES  | MUL | NULL    |                 |
| component_name | varchar(30)   | YES  |     | NULL    |                 |
| d_date         | date          | YES  |     | NULL    |                 |
| Qty            | varchar(10)   | YES  |     | NULL    |                 |
| nurse_id       | int           | YES  | MUL | NULL    |                 |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.14 sec)
```

3.Donor Table-

```
mysql> desc Donor;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default          | Extra          |
+-----+-----+-----+-----+-----+-----+
| aadhar_no      | bigint        | NO   | PRI | NULL             |                 |
| name           | varchar(20)   | YES  |     | NULL             |                 |
| email          | varchar(30)   | YES  |     | NULL             |                 |
| district       | varchar(30)   | YES  |     | NULL             |                 |
| blood_grp      | varchar(7)    | YES  |     | NULL             |                 |
| mob_no         | bigint        | YES  |     | NULL             |                 |
| gender         | char(10)      | YES  |     | NULL             |                 |
| address        | varchar(150)  | YES  |     | NULL             |                 |
| pinCode        | int           | YES  |     | NULL             |                 |
| isPlasmaDonor  | varchar(5)    | YES  |     | NULL             |                 |
| donationDate   | date          | YES  |     | (curdate() - interval 6 month) | DEFAULT_GENERATED |
+-----+-----+-----+-----+-----+-----+
11 rows in set (0.12 sec)
```

4. Employee Table-

```
mysql> desc Employee;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| e_id       | int           | NO   | PRI | NULL    | auto_increment |
| uname      | varchar(20)   | YES  |     | NULL    |                |
| password   | varchar(16)   | YES  |     | NULL    |                |
| e_name     | varchar(20)   | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
4 rows in set (0.10 sec)
```

5. Hospital Table-

```
mysql> desc Hospital;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| h_id       | int           | NO   | PRI | NULL    | auto_increment |
| name       | varchar(20)   | YES  |     | NULL    |                |
| mob_no     | bigint        | YES  |     | NULL    |                |
| city       | varchar(10)   | YES  |     | NULL    |                |
| pincode    | int           | YES  |     | NULL    |                |
| district   | varchar(20)   | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.10 sec)
```

6. Nurse Table-

```
mysql> desc Nurse;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra          |
+-----+-----+-----+-----+-----+-----+
| nurse_id   | int           | NO   | PRI | NULL    | auto_increment |
| name       | varchar(20)   | YES  |     | NULL    |                |
| gender     | varchar(10)   | YES  |     | NULL    |                |
| city       | varchar(20)   | YES  |     | NULL    |                |
| mob_no     | bigint        | YES  |     | NULL    |                |
| email      | varchar(20)   | YES  |     | NULL    |                |
| join_date  | date          | YES  |     | NULL    |                |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.11 sec)
```

7. Transfer Table-

```
mysql> desc Transfer;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| t_id       | int       | NO   | PRI | NULL    | auto_increment |
| h_id       | int       | YES  | MUL | NULL    |              |
| t_date     | date      | YES  |     | NULL    |              |
| component_name | varchar(30) | YES  |     | NULL    |              |
| Qty        | varchar(10) | YES  |     | NULL    |              |
| blood_grp  | varchar(10) | YES  |     | NULL    |              |
| status     | varchar(10) | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
7 rows in set (0.03 sec)
```

8.Campaigns Table-

```
mysql> desc campaigns;
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra      |
+-----+-----+-----+-----+-----+-----+
| camp_id    | int       | NO   | PRI | NULL    | auto_increment |
| name       | varchar(30) | YES  |     | NULL    |              |
| location   | varchar(10) | YES  |     | NULL    |              |
| mob_no     | bigint    | YES  |     | NULL    |              |
| createdon  | bigint    | YES  |     | NULL    |              |
| c_date     | date      | YES  |     | NULL    |              |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.06 sec)
```

9. Event Table-

```
mysql> desc event;
+-----+-----+-----+-----+-----+-----+
| Field | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| title | varchar(40) | YES  |     | NULL    |       |
| date  | date      | YES  |     | NULL    |       |
| color | varchar(10) | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.04 sec)
```



10.Storage Table-

```
mysql> desc storage;
+-----+-----+-----+-----+-----+-----+
| Field          | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| component_name | varchar(30)   | YES  |     | NULL    |       |
| O_pos          | bigint        | YES  |     | NULL    |       |
| O_neg          | bigint        | YES  |     | NULL    |       |
| A_pos          | bigint        | YES  |     | NULL    |       |
| A_neg          | bigint        | YES  |     | NULL    |       |
| B_pos          | bigint        | YES  |     | NULL    |       |
| B_neg          | bigint        | YES  |     | NULL    |       |
| AB_pos         | bigint        | YES  |     | NULL    |       |
| AB_neg         | bigint        | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
9 rows in set (0.16 sec)
```


4.4 Graphical User Interface-

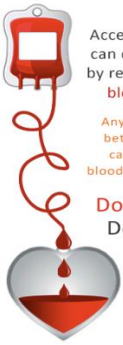
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Blood Donation Camp at NACO, Delhi to commemorate National Voluntary Blood Donation Day

Donate Blood Save Life!






Access to **safe blood** can only be ensured by regular and proper **blood donations**.




Anyone healthy and between age 18-65 can easily donate blood in every 3 months.

Donate Blood, Donate Life.

About Blood Donation

-  **Being a Donor**
Know more about different donors and blood donations.
-  **Eligibility Requirements**
Learn more about the eligibility requirements for donating blood.
-  **Donation Process**
Know about the steps before, during and after blood donation.
-  **FAQs**
General queries simply answered here for you.

What to expect when you visit a Blood Bank or Blood Donation Camp


- **Registration (10 Mins)**
Donor fills up the registration form and gives his consent for donation.
- **Medical Check up (5 Mins)**
Donors Medical History & life style is asked, check up of temperature, blood pressure, pulse and haemoglobin.
- **Donation (8 Mins)**
Phlebotomist draws unit (350ml/450ml) of blood. A new sterile needle is used to draw each unit and the needle is destroyed after it has been used. It takes less than 10 min.
- **Refreshment (10 Mins)**
Enjoy Snacks and drinks juice to replenish fluids.

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

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✉ bloodbookbk@gmail.com



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We take inspiration from the World's best health services, and create a great environment. "A single pint can save three lives, a single gesture can create a million smiles"


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In day to day life, everything is available to us on our fingertip. Technology has help us to achieve that. Being so advance in technology, we still face the issues because of which people are losing their lives. Blood shortage is one of the main cause in Medical fatality rate. To avoid this as much as its possible we intended to create a platform where people can help each other whenever its possible to them. The person who is need for blood will place the request for blood and the available donors on out platform will volunteer for it. This is our humble try to use the wide spread network for the betterment of the society.




Our motive - save lives

Our aim is to provide faster blood retrievals and donations to reduce overhead of hunting for required blood amount, because a single pint can save three lives, a single gesture can create a million smiles.



Our services

We will provide blood transfer and donation because ,People live when people give.With the help of increasing technology,making use of it to for people will be acheived through the system.



Our team


Team will put all the efforts to arrange required blood.It will work in collaboration to reduce shortage of blood,because every drop will help.Team is connected with the large hospitals to help in emergency cases to make avail the blood as per need.

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



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We take inspiration from the World's best health services, and create a great environment. "A single pint can save three lives, a single gesture can create a million smiles"

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Donor Registration

Name

First Name + Last Name

Aadhar Number

Enter Aadhar Number

Email

Enter Email Id

Mobile Number

Enter Mobile No

Blood group

-----Select-----

Plasma donor

☐ YES
☐ NO

Address

District

-----Select-----

Pincode







Gender

☐ Female
☐ Male
☐ other

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6.Donor Registration Form Validation-

[illegible]

7. Dashboard-

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Employee Activities

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DASHBOARD

DONORS

BLOOD DONATIONS

HOSPITALS

TRANSFERS

NURSES

REQUEST

STORAGE

CAMPAIGNS

LOG OUT

December 2020

month week day list

Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4 12a Introductory email	5
7	8	9	10	11	12
14	15	16	17	18	19
21	22	23	24	25	26
27	28	29	30	31	1
3	4	5	6	7	8

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<

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today

December 2020

month

week

day

list

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4 ● 12a Introductory email	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

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ID	Aadhar No	Name	Phone No	Component Name	Blood Group	Quantity	Donation Date	Nurseid
40	287453872434	Dipti Pandey	8369247772	Plasma	AB_pos	200	2020-12-4	5
41	287453872434	Dipti Pandey	8369247772	Packed Red Blood Cells	AB_pos	200	2020-12-11	5

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10.To add the Donor who donated blood-

[illegible]

11.Events

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Upcoming Event & BloodDrives

Campaign Name: Blooddrive (2020-12-02T18:30:00.000Z)

Location :Andheri

Contact Info: 7346354533

Campaign Name: Donate Please (2020-12-17T18:30:00.000Z)

Location :Pune


Contact Info: 4353454353

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12.Edit Event Registration

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< > today

month week day list

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Create New Event ×

Event Name

Choose Color


Add Event

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Camp_ID	Name	Location	Phone	Donation_amount	Camp Date	Action
6	Bloodrive	Andheri	7346354533	34343	2020-12-3	Edit
7	Donate Please	Pune	4353454353	243	2020-12-18	Edit

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14. Add a Campaign

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Add a Campaign

Name

Mobile No.

Campaign Date

Location

Donation Amount

Add Camp

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15.Campaign Edit

[illegible]

16. List of Donor

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Aadhar_No	Name	Email	District	Blood Group	Phone_NO	Gender	Pincode	IsPlasmaDonor	Action
287453872433	Nishant Pandey	nishantp1821@gmail.com	Mumbai Suburban	O+	8369247772	Female	400093	Yes	Edit
287453872434	Dipti Pandey	gpmlearningsystem@gmail.com	Jalna	AB_pos	8369247772	Female	400093	Yes	Edit
433545545454	Manorama Patil	riyajoshi@gmail.com	Thane	AB+	8576643434	Female	400093	Yes	Edit

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17.Add Donor

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Donor Registration

Name

Aadhar Number

Email

Mobile Number

Blood group

----Select----
▼

Plasma donor

☐ YES
☐ NO

Address

District

----Select----
▼

Pincode

Gender

☐ Female
☐ Male
☐ other

Submit

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--	---	--

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 X

18.Edit Donor

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Donor Edit

Name

Email

Mobile Number

Address

District

Pincode

Delete

Update

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19. List of Hospital

Hospital_id	Name	Phone	district	City	Pincode	Action
7	Jeevan Hospital	8776767675	Mumbai City	Mumbai	400093	
8	City Hospital	9877676767	Kolhapur	Kolhapur	333000	

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22. List of Nurse

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	NurseID	Name	Gender	Location	Phone	Email	Join Date	Action
	5	Riya Joshi	Female	Mumbai	87734872343	riyajoshi@gmail.com	2020-1-15	Edit
	6	Manorama Patil	Female	Mumbai	7878787878	manoram@gmail.com	2018-2-4	Edit
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<div>+</div>								

23. Add Nurse

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<div>Nurse Registration</div>	
Email	manoram@gmail.com
Full Name	Manorama Patil
Mobile No.	7878787878
Join Date	04/02/2018
City	Mumbai
Gender	<input checked="" type="radio"/> Female <input type="radio"/> Male <input type="radio"/> other
<div>Add Nurse</div>	
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24. Edit Nurse Details

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Nurse Edit

Email

Full Name

Mobile No.

City

Delete Update

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25. Storage

Component	A+	A-	B+	B-	AB+	AB-	O+	O-
Fresh Frozen Plasma	0	0	0	0	-200	0	200	0
Packed Red Blood Cells	0	0	0	0	0	0	2300	0
Plasma	0	0	0	0	0	0	800	0
Platelet Concentrate	0	0	0	0	0	0	400	0
Whole Blood	0	0	0	0	0	0	187	0

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26. List of Blood Storage

TID	HID	Name	Req. Date	Quantity	Component	Blood Group	Status
10	7	Jeevan Hospital	2020-12-2	200	Fresh Frozen Plasma	B_pos	PENDING

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27. Add Transfer of Blood Donated

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Recording Tranfer

Hospitals
Select...

Request Date
dd/mm/yyyy

Quantity
Quantity in MiliLiters(ml)

Component
Choose Component Type

Blood Type
-----Select-----

Status
☐ PASS
☐ PENDING
☐ FAILED

Add Transfer Record

CHAPTER 5

CONCLUSION

Technology is introducing new innovations day by day, thus reducing the time required to do things. The proposed system can be used to reduce the time required to deliver required blood to the needy in cases of emergency. The web application provides a way of communication and synchronization between the hospitals and the blood bank. It also provides them with the facility of communicating with the nearby donors in emergency. The database is a vital aspect of the system. The database of the hospitals and the blood banks must be checked for consistency on regular basis for smooth working of the system.

CHAPTER 6

REFERENCES

- <https://www.friends2support.org/index.aspx>
- <https://www.indianredcross.org/ircs/program/BloodBank>
- <http://nbtc.naco.gov.in/>
- https://www.researchgate.net/publication/339032343_Blood_bank_and_Donor_Management_system