

Programming For Scientific Computing

2CS404

Life Blood Centre

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Description Of Project :

In Our Project We have made a full screen blood bank Software In that we use Gui Python Using Tkinter Library And In this we also use Matplotlib for graph and Use Morden File type Csv(Comma Saparated Value) For The Data Saving And Printing History and Also Well Shown Table Form.

Package List :

Tkinter

Csv

Os

Matplotlib

Numpy

Installtion Of Packages :

Execute this 5 line in terminal

Pip install tkinter

Pip install csv

Pip install os

Pip install matplotlib

Pip install numpy

Required Files :

records.csv

activedoners.csv

history.csv

inquiry.csv

all image Include In .rar file

How to Run Project :

Open shell at project location and execute :

```
python main.py
```

or In linux System run in terminal :

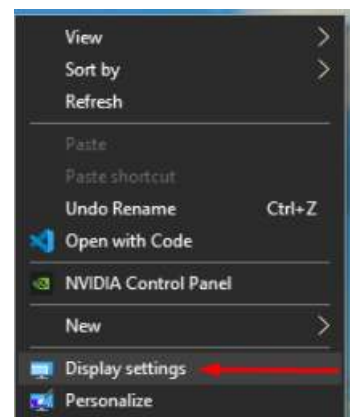
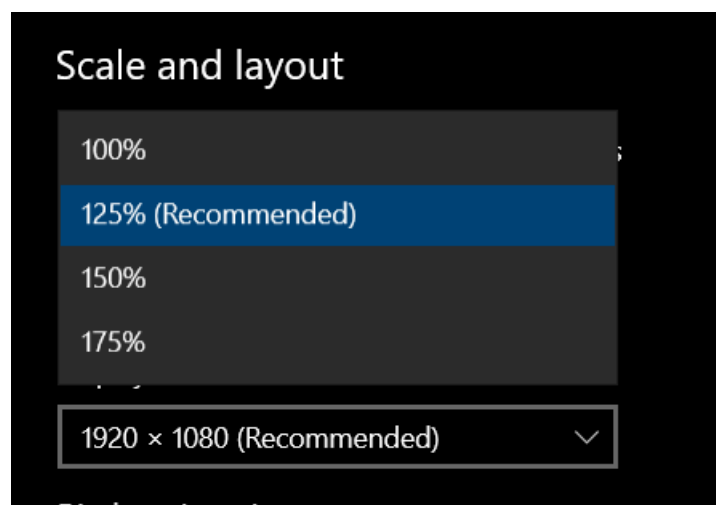
```
python3 main.py
```

Note: If full screen scale is 100% than you have to change scale to 125%.

[

On desktop Right click and go to Display Settings : Right Click -> Display setting : Scale and Layout : Change the size of text, apps and other items to 125%:

]



Here are The Main Four Option In Our First (Main) Page

Login/SignUp

Admin

Rules

Contact Us



Login/Sign Up Section:

Sign Up or Use this email and password

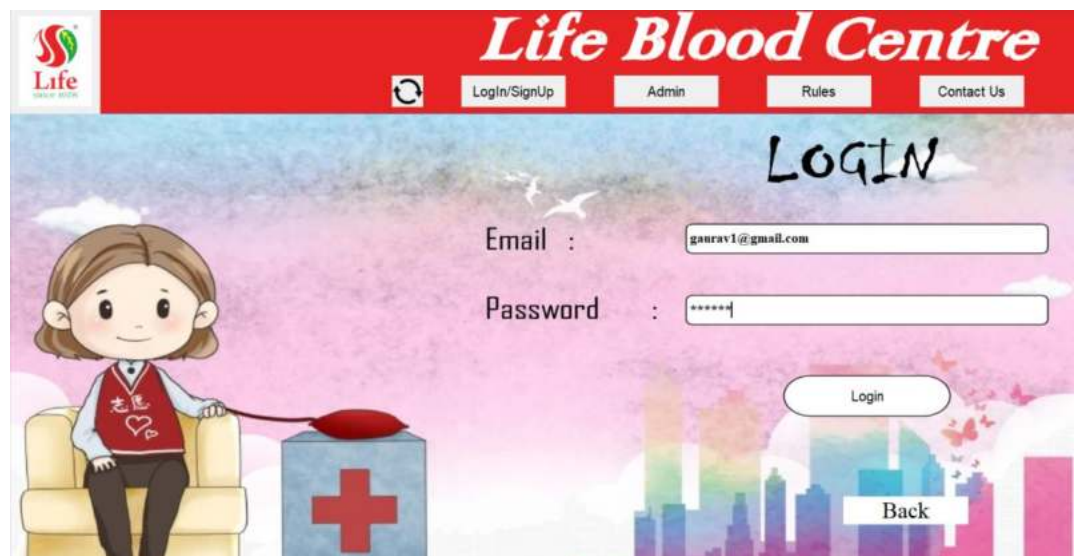
Email:: gaurav1@gmail.com

Password:: G1234g

In Sign up process you have to Submit Some necessary Information.

Which will require for log in.

Use records.csv File for login Information or create a new Record in Signup Option.



Step 1:

SIGN UP

Name : Gender :
 Email Id : City :
 Password : Phone No:
 Blood Group : Age :



Step : 2

After Login In There are Three Option

1. Donate Blood – in which you can fill some information and your record will be added

Current Weight (in Kg.) :
 Have you Donated Blood in Past 56 Days? :
 Are you Feeling Healthy in Past Two Weeks? :
 Have you Consumed Any Alcohol in Past 24 Hours? :



2. check History -in this you can view who has used your blood

<div>  <div> <h1>Life Blood Centre</h1> <div> <input type="button" value="Login/SignUp"/> <input type="button" value="Admin"/> <input type="button" value="Rules"/> <input type="button" value="Contact Us"/> </div> </div> </div>						
Name	Email	Accepter name	Accepter email	Accepter phone No	Accepter Age	Accepter Gender
Gaurav Sakariya	gaurav1@gmail.com	Virang Virani	virang3@gmail.com	9429800408	20	Male

3. Here You Have to Select The City And Blood Group Which You required and Then List Of All such Donners will display. And then Select Donner from you want to get blood

CITY :
 BLOOD GROUP :



Name	Email	PhoneNo	Age	Gender
Virang Virani	virang3@gmail.com	9429800408	20	Male
Parimal Patel	parimal2@gmail.com	9664650121	24	Male

Now Admin Section :

Login To Admin Username : Admin (Case sensitive)

Password : Admin9




The image shows an admin login interface. At the top, the word "ADMINISTRATOR" is written in a large, bold, serif font. Below it, there are two labels: "USERNAME :" and "PASSWORD :". The username input field contains the text "Admin". The password input field contains six asterisks "*****". Below the password field is a blue button with the text "LOG IN" in white. The background of the form is light blue with a faint floral pattern. In the bottom left corner, there is a small illustration of a nurse in a pink uniform and white cap. In the bottom right corner, there is a small illustration of a green plant with two leaves.

After Login there Are 3 Option

1.View Donners

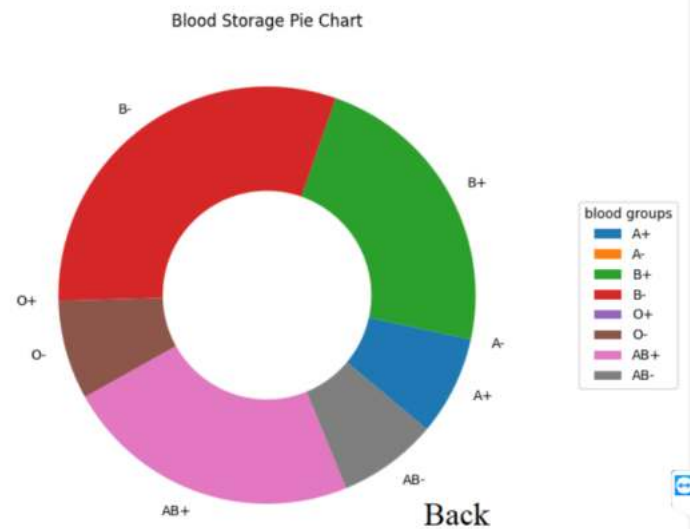
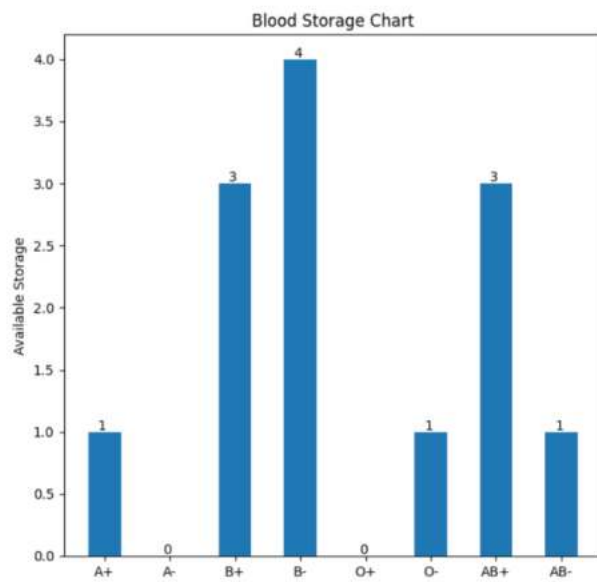
In This we Show all active Donners List

Life Blood Centre						
 Life						
LogIn/SignUp Admin Rules Contact Us						
Email	Name	Phone No	Age	Blood Group	Gender	City
sneha10@gmail.com	Sneha Desai	9685964123	36	AB+	Female	Vadodara
keval9@gmail.com	Keval Modi	7412589631	45	B-	Male	Ahemdabad
keval9@gmail.com	Keval Modi	7412589631	45	B-	Male	Ahemdabad
utsav9@gmail.com	Utsav Thakkar	9978185533	42	A+	Male	Vadodara
priyal7@gmail.com	Priyal Vadgama	7412369850	32	AB-	Male	Rajkot
mital6@gmail.com	Mital Shah	7896321452	29	O-	Female	Vadodara
savan5@gmail.com	Savan Vaghani	7852369812	36	AB+	Male	Surat
savan5@gmail.com	Savan Vaghani	7852369812	36	AB+	Male	Surat
khushi4@gmail.com	Khushi patel	7825859674	23	B-	Female	Ahemdabad
khushi4@gmail.com	Khushi patel	7825859674	23	B-	Female	Ahemdabad
parimal2@gmail.com	Parimal Patel	9664650121	24	B+	Male	Junagadh
virang3@gmail.com	Virang Virani	9429800408	20	B+	Male	Junagadh
gaurev1@gmail.com	Gauarv Sakariya	9664680390	20	B+	Male	Rajkot

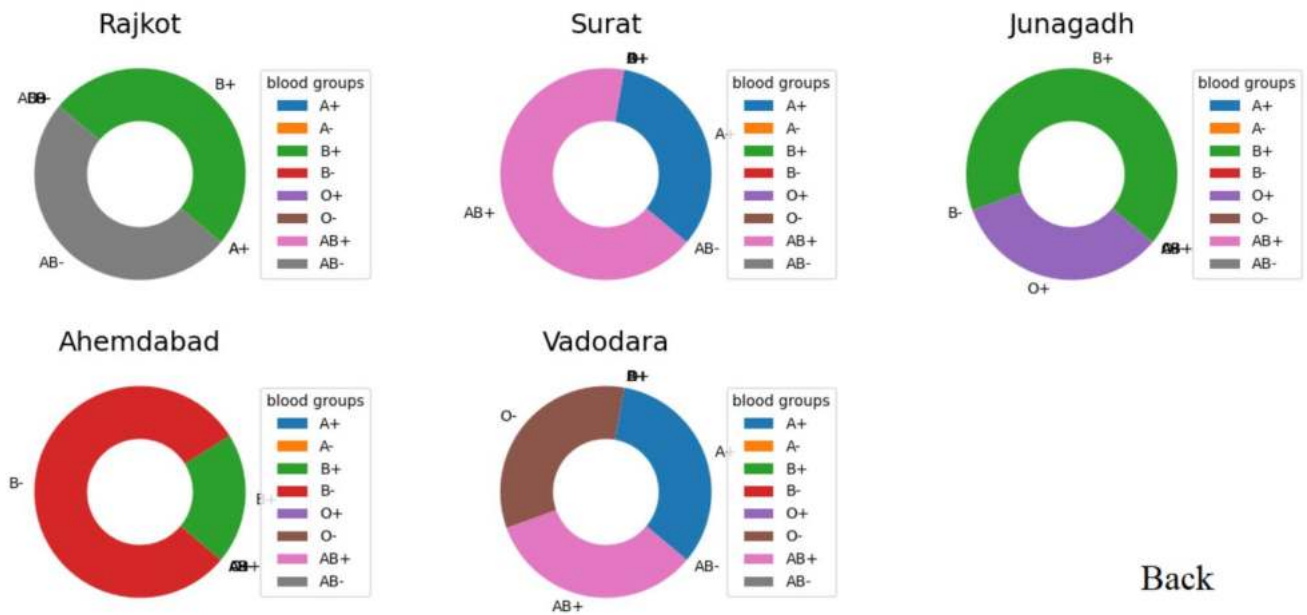
2.View Analysis

In This Option There Are again Three Option

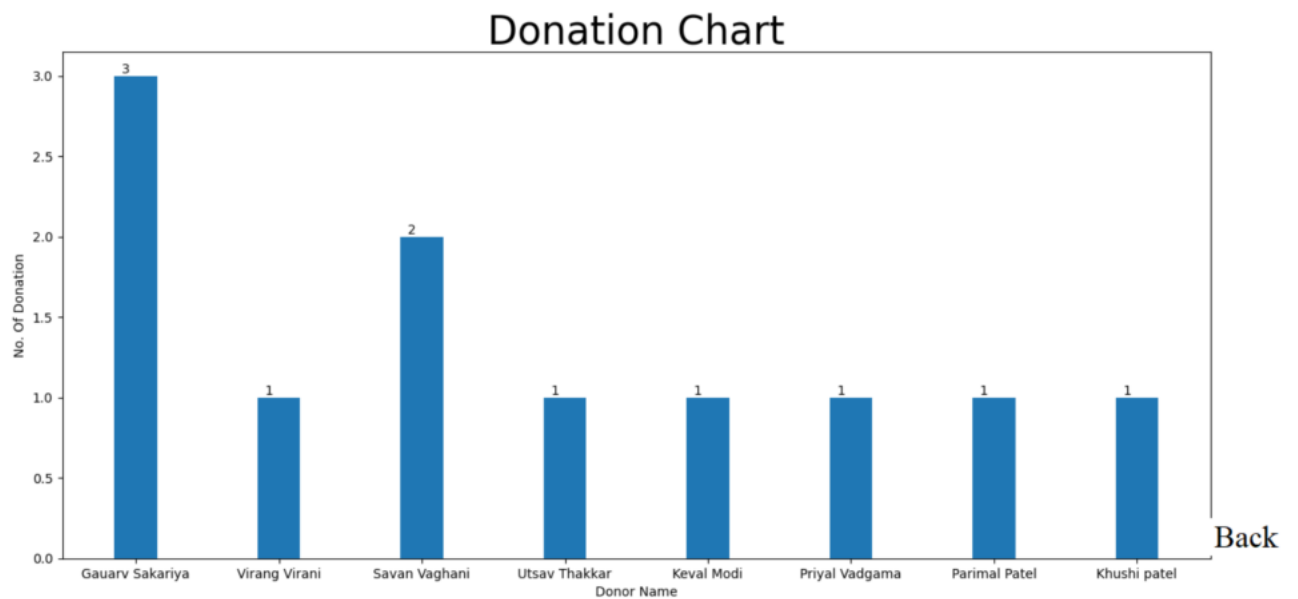
1.Available Blood (Graph)



2. Available Blood According to City




3.Donners Donation (Chart)




3. View History(Admin Menu)


Name	Email	Acceptor name	Acceptor email	Acceptor phone No	Acceptor age	Acceptor gender
Gauarv Sakariya	gaurav1@gmail.com	Khushi patel	khushi4@gmail.com	7825859674	23	Female
Savan Vaghani	savan5@gmail.com	Priyal Vadgama	priyal7@gmail.com	7412369850	32	Male
Gauarv Sakariya	gaurav1@gmail.com	Priyal Vadgama	priyal7@gmail.com	7412369850	32	Male
Khushi patel	khushi4@gmail.com	Yagnik Patel	yagnik11@gmail.com	5462178960	40	Male
Parimal Patel	parimal2@gmail.com	Yagnik Patel	yagnik11@gmail.com	5462178960	40	Male
Priyal Vadgama	priyal7@gmail.com	Yagnik Patel	yagnik11@gmail.com	5462178960	40	Male
Keval Modi	keval9@gmail.com	Khushi patel	khushi4@gmail.com	7825859674	23	Female
Utsav Thakkar	utsav8@gmail.com	Khushi patel	khushi4@gmail.com	7825859674	23	Female
Savan Vaghani	savan5@gmail.com	Keval Modi	keval9@gmail.com	7412589631	45	Male
Virang Virani	virang3@gmail.com	Keval Modi	keval9@gmail.com	7412589631	45	Male
Gauarv Sakariya	gaurav1@gmail.com	Virang Virani	virang3@gmail.com	9429800408	20	Male

Rules Section :




Life Blood Centre




[Login/SignUp](#)
[Admin](#)
[Rules](#)
[Contact Us](#)



RULES



- Blood is absolutely a life-saver. According to the World Bank, every 2 seconds someone somewhere needs blood.
- There is no substitute for blood.
- Blood cannot be 'manufactured' in a factory. Donors are the only source for blood.
- That is why all blood that is required during operations, illnesses or emergencies can only be met by blood donations.
- Non-remunerated voluntary blood-donors, like you, are the safest among all donors.

Contact Us :

In Contact us Section Inquiry From You can Provide Your Feedback and any suggestion You can fill the form .

Get in Touch

Address

📍 Life Blood Centre (formerly known as Rajkot Voluntary Blood Bank & Research Centre)

24-Vijay plot, Malaviya Road, Rajkot: 360002 Gujarat, India.

☎ +91 281 2234242 / 43

☎ +91 851122112

✉ savelife@999life.org

Inquiry Form

Full Name

Email

Phone No

Subject

Message

SUBMIT

THANK YOU