

PROFESSIONAL TRAINING REPORT
at
Sathyabama Institute of Science and Technology
(Deemed to be University)

Submitted in partial fulfillment of the requirements for the award
of Bachelor of Technology Degree in

Information Technology

By

PREETHI S

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DEPARTMENT OF INFORMATION TECHNOLOGY
SCHOOL OF COMPUTING

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade "A" by NAAC
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**SATHYABAMA INSTITUTE OF SCIENCE AND
TECHNOLOGY**

(Established under Section 3 of UGC Act, 1956)
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SCHOOL OF COMPUTING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **PREETHI S(Reg No. 38120063)** who carried out the project entitled “**BLOOD BANK MANAGEMENT SYSTEM**” under our supervision from Jan 2019 to April 2019.

Internal Guide

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Head of the Department

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Submitted for Viva voce Examination held on _____

Internal Examiner

External Examiner

DECLARATION

I PREETHI S (**Reg No:38120063**) hereby declare that the Project Report entitled “**BLOOD BANK MANAGEMENT SYSTEM**” done by me under the guidance of **Dr. V. NIRMALRANI, M.E., Ph.D.,**

is submitted in partial fulfillment of the requirements for the award of Bachelor of Technology degree in Information Technology. _____

DATE:

PLACE:

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **SATHYABAMA** for their kind encouragement in doing this project and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr. T. SASIKALA M.E., Ph.D.**, Dean, School of Computing and **Dr. R. SUBHASHINI M.E.**, Head of the Department, Department of Computer Science and Engineering for providing us the necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr. V. NIRMALRANI** for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of **INFORMATION TECHNOLOGY** who were helpful in many ways for the completion of the project.

TRAINING CERTIFICATE



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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **PREETHI S** student of **SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY, BTECH/IT** has undergone the Internship Training through online in our concern entitled **PYTHON** from **12th Aug 2020** to **26th Aug 2020** in relevant departments related to their academic studies.

During the above period, the performance was good & we wish great success in all your future endeavours.

J. more

Technology drives the world. We are the people who are behind the technology.

Authorised Signature



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08/22/2020

Preethi S

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink, appearing to read 'Chuck', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/4W8KZCKTUUC5
Coursera has confirmed the identity of this individual and
their participation in the course.

ABSTRACT

The main goal of the Blood Bank and Donor Management System project is to monitor Blood Bank data, Blood cells, Blood stock, Donor List. It manages all the Blood Bank, Donor, Blood stock data. The project is entirely administrative and therefore access is guaranteed only to the administrator. 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.

TABLE OF CONTENTS

CHAPTER NO.	TITLE NAME	PG.NO
	ABSTRACT	1
1.	INTRODUCTION	
	1.1 GENERAL	1
	1.2 ORGANIZATION OF THE PROJECT	1
2.	AIM & SCOPE	
	2.1 AIM	2
	2.2 SCOPE	2
3.	ALGORITHMS AND METHODS	3
4.	SYSTEM IMPLEMENTATION	4
5.	RESULTS	6
6.	CONCLUSION AND FUTURE WORK	
	CONCLUSION	
14		
	6.2 FUTURE WORK	14
	REFERENCES	
14		
6.4	APPENDIX	15

CHAPTER 1

INTRODUCTION

1.1 GENERAL The researchers aimed to develop and implement an online blood bank management system. This web-based application allows hospitals to make inventories of their blood bags online, thus, allowing each hospital to check the availability of blood bags anytime. Likewise, proper accounting of blood donors ensures that the expected blood transfusion service

1.2 ORGANIZATION OF THE REPORT

Chapter 2 deals with Aim, Scope of the present investigation. Chapter 3 details with General, Algorithm, Project description. Chapter 4 deals with Requirement, Role of Python and Results And Discussion. Chapter 5 deals with Conclusion and Future work.

CHAPTER 2

AIM & SCOPE

2.1 AIM

This applied research aims to design, develop and implement online blood bank managementsystem.

2.2 SCOPE

The scope of the blood bank management system is to simplify and automate the process of searching for blood in case of emergency and maintain the records of blood donors, recipients, blood donation programs and blood stocks in the bank.

CHAPTER 3

ALGORITHMS AND METHODS

- 1.Homepage – For the homepage, you will be able to all the basic access in the whole system. Such as home, search, donor registration, login, contact us and about us.
- 2.Search – For the search, you will be able to search the blood type you want and the address of a donor person.
- 3.Donor Registration – For the donor registration, you will fill the forms. Such as your complete name, gender, date of birth, blood type, phone number, email address, home address and etc.
- 4.Contact Us – For the contact us, you will be able to see their address, phone number and email address.
- 5.About Us – For the about us, you will be able see the goals and objectives of blood bank management system.

CHAPTER 4

SYSTEM REQUIREMENTS

REQUIREMENTS

1. HARDWARE REQUIREMENTS

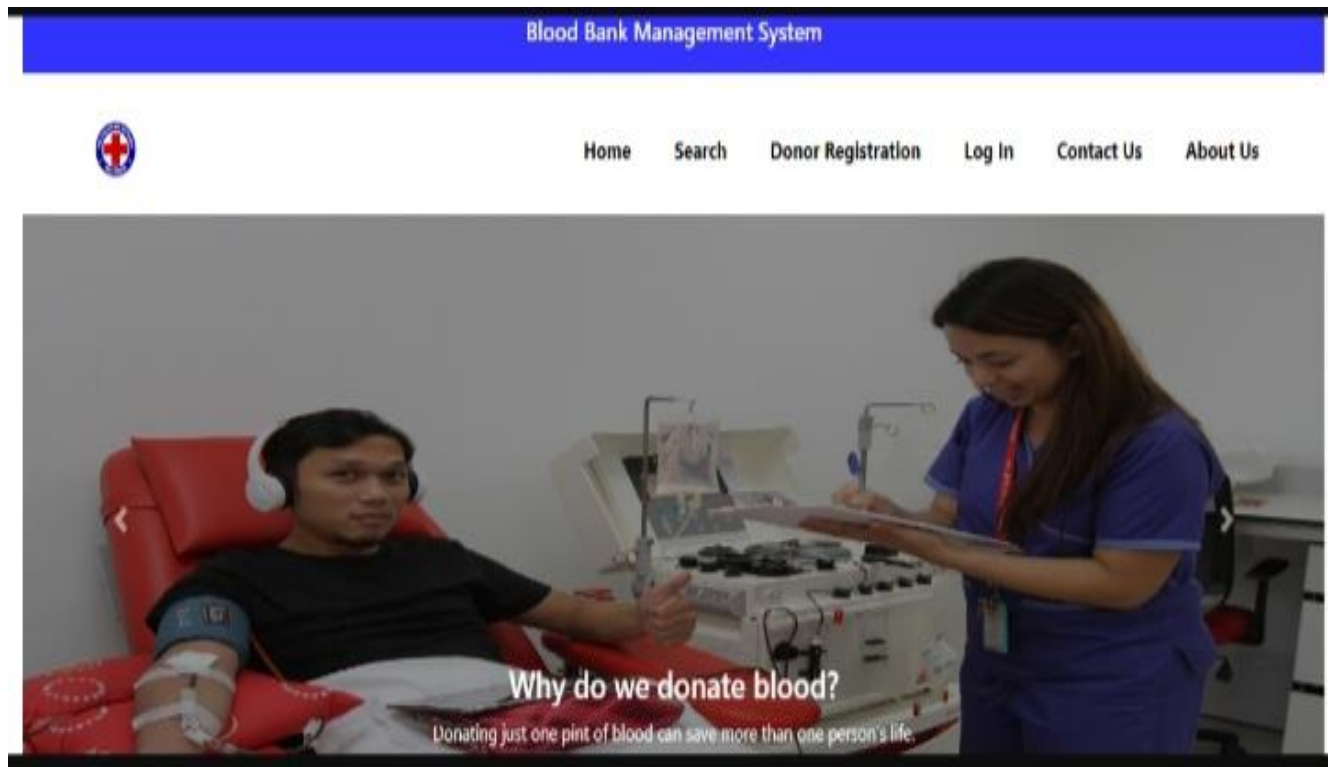
- * A system with minimum 2GB of RAM.
- * Keyboard.
- * Monitor.

2. SOFTWARE REQUIREMENTS

- * Pycharm professional (for python django)

CHAPTER 5

RESULTS



Blood Bank Management System

[Home](#)[Search](#)[Donor Registration](#)[Log In](#)[Contact Us](#)[About Us](#)



[Home](#)

[Search](#)

[Donor Registration](#)

[Log In](#)

[Contact Us](#)

[About Us](#)

Blood Donor Registration Form

Name:

Gender:

Date of birth:

Blood group:

127.0.0.1:8000/search/donorlist/

Blood Bank Management System



[Home](#) [Search](#) [Donor Registration](#) [Log In](#) [Contact Us](#) [About Us](#)

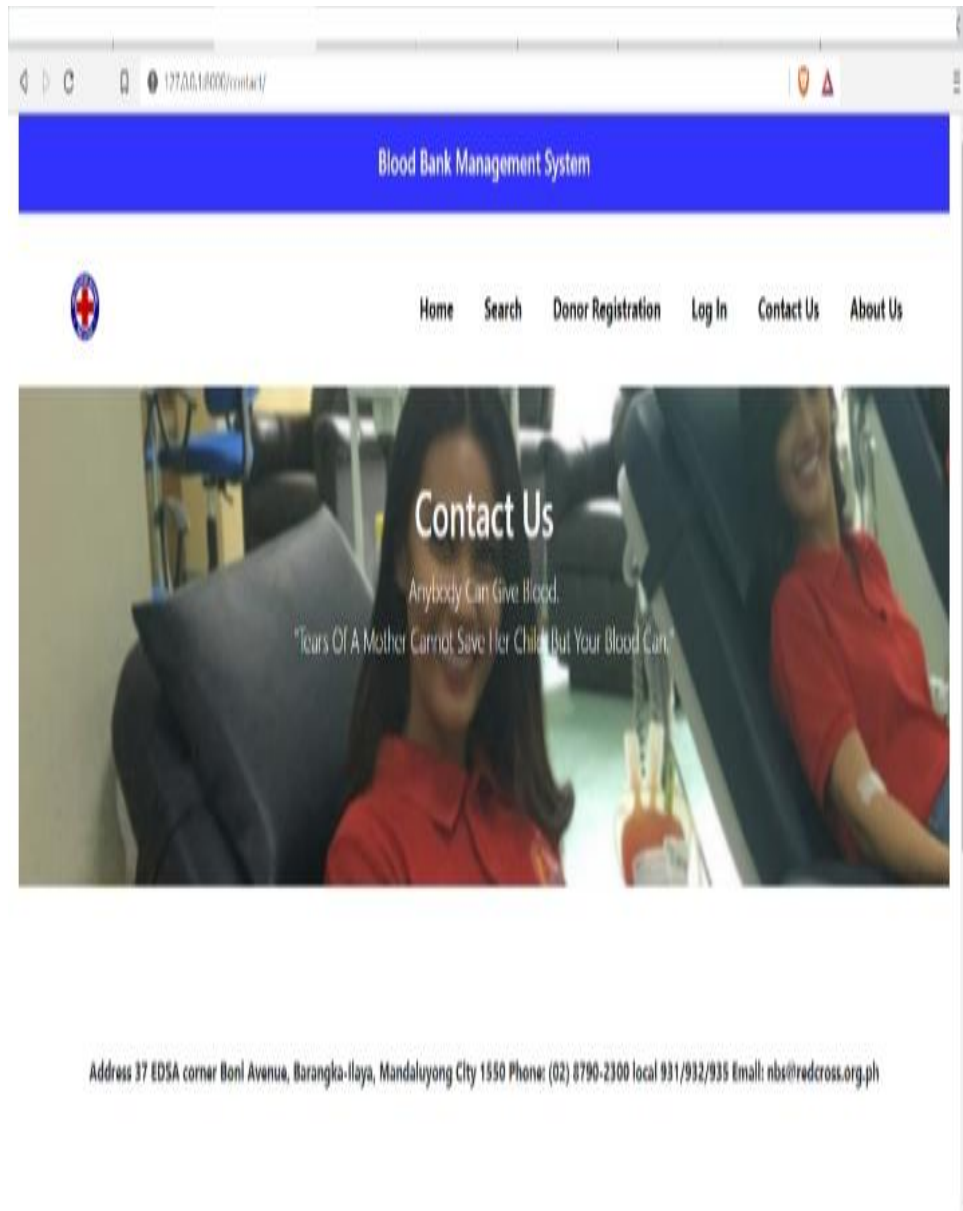
Blood Donor List...

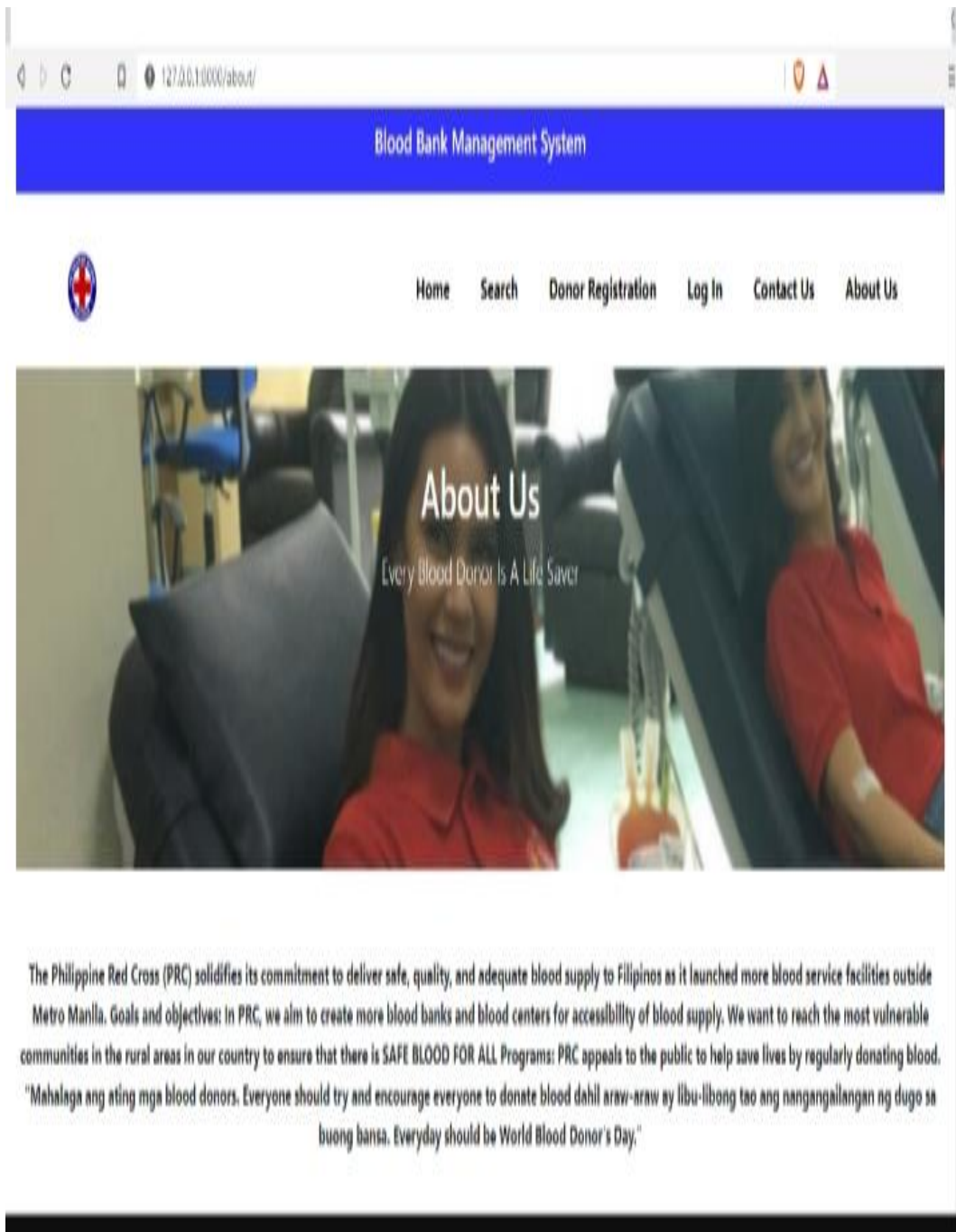
Donor Name	BLOOD GROUP	Last Donated Date	Address
Adones Evangelista	O+	None	Brgy. Tinungan, Isabela

127.0.0.1:8000/search/

Type here to search

2:27 AM 11/13/2020





CHAPTER 6

CONCLUSION AND FUTURE WORK

6.1 CONCLUSION

The system also has a feature that allows registered blood banks to send a notification to registered blood donors on the application requesting for blood donation.

6.2 FUTURE WORK

We have already entered the age of Information Technology, where all the paper work / manually managed files are about to finish, now with the help of this user friendly software all the files stored in the computer can be very well formatted. With little more modifications it will become the good software for Blood Bank. The present 'Blood Bank' project may be further developed for more complex transactions and to meet the requirements of modern day dynamic System Operation. New options and their respective implementation may be Done in future.

REFERENCES

[1] PYTHON : <https://www.w3schools.com/python/>

[2] HTML: <https://www.w3schools.com/HTML/>

APPENDICES

SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">

<head>

    {% load static %}

    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <link rel="stylesheet" href="{% static 'css/bootstrap.min.css' %}">
    <link rel="stylesheet" href="{% static 'css/style.css' %}">
    <script src="{% static 'js/jquery.min.js' %}"></script>
    <script src="{% static 'js/jquery-3.3.1.slim.min.js' %}"></script>
    <script src="{% static 'js/popper-1.14.7.js' %}"></script>
    <script src="{% static 'js/bootstrap.min.js' %}"></script>
    <link rel="shortcut icon" type="image/x-icon" href="{% static 'photos/logo/searchlogo.jpg' %}">

    <title>Blood Bank Management System</title>
</head>

<body>
    <div class="container-fluid">
        <!-- head title -->
        <header>
            <h5 class="head text-white text-center p-3">Blood Bank Management
System</h5>
        </header>

        <!-- navbar -->
        <nav class="navbar navbar-expand-sm sticky-top">
```

```
&lt;!-- logo --&gt;
```

```
    &lt;a class="navbar-brand ml-5" href="#"&gt;
        &lt;img src="{% static 'photos/logo/searchlogo.jpg' %}" alt="logo"
style="width:60px;"&gt;
    &lt;/a&gt;

&lt;!-- navbar item --&gt;
&lt;div class="col"&gt;
    &lt;ul class="navbar-nav flex-row-reverse"&gt;
        &lt;li class="nav-item text-dark"&gt;
            &lt;a class="nav-link font-weight-bolder" href="{% url 'abouts1' %}"&gt;About
Us&lt;/a&gt;
        &lt;/li&gt;
        &lt;li class="nav-item"&gt;
            &lt;a class="nav-link font-weight-bolder" href="{% url 'contacts1'
%}"&gt;Contact Us&lt;/a&gt;
        &lt;/li&gt;
        &lt;!-- Dropdown --&gt;
        &lt;li class="nav-item dropdown"&gt;
            &lt;a class="nav-link font-weight-bolder" href="#" data-toggle="dropdown"&gt;
Log In
&lt;/a&gt;
            &lt;div class="dropdown-menu"&gt;
                &lt;a class="dropdown-item font-weight-bolder"
href="/admin/"&gt;Admin&lt;/a&gt;
            &lt;/div&gt;
        &lt;/li&gt;
        &lt;li class="nav-item"&gt;
            &lt;a class="nav-link font-weight-bolder" href="{% url 'dregs1' %}"&gt;Donor
Registration&lt;/a&gt;
        &lt;/li&gt;
        &lt;li class="nav-item font-weight-bolder"&gt;
            &lt;a class="nav-link" href="{% url 'search1' %}"&gt;Search&lt;/a&gt;
        &lt;/li&gt;
        &lt;li class="nav-item font-weight-bolder"&gt;
            &lt;a class="nav-link" href="{% url 'homes1' %}"&gt;Home&lt;/a&gt;
        &lt;/li&gt;
    &lt;/ul&gt;
```

```
</div>
```

```
</nav>
```

```
<!-- Carousel -->
```

```
<div class="carousel_slid">
```

```
<div class="opacity_carousel"></div>
```

```
<div id="slide" class="carousel slide" data-ride="carousel">
```

```
<!-- carousel indicators -->
```

```
<ul class="carousel-indicators">
```

```
<li data-target="#slide" data-slide-to="0" class="active"></li>
```

```
<li data-target="#slide" data-slide-to="1"></li>
```

```
<li data-target="#slide" data-slide-to="2"></li>
```

```
</ul>
```

```
<div class="carousel-inner">
```

```
<div class="carousel-item carousel-img-1 active">
```

```

```

```
<div class="carousel-caption">
```

```
<h3>Why do we donate blood?</h3>
```

```
<p>Donating just one pint of blood can save more than one person's
life.</p>
```

```
</div>
```

```
</div>
```

```
<!-- carousel item -->
```

```
<div class="carousel-item carousel-img-2">
```

```

```

```
<div class="carousel-caption">
```

```
<h3>Why do we donate blood?</h3>
```

```
<p>Whenever you donate blood, you're giving someone the opportunity to
have a new lease on life, not to mention that you're also giving your overall health a great
boost.</p>
```

```
</div>
```

```
</div>
```

```
<div class="carousel-item carousel-img-3">
```

```

```

```
<div class="carousel-caption">
```

```

        <h3>Why do we donate blood?</h3>

        <p>It is not more painful than losing a loved one that you may save by
donating!</p>

    </div>

</div>

</div>

<!-- carousel control -->
<a class="carousel-control-prev" href="#slide" data-slide="prev">
    <span class="carousel-control-prev-icon"></span>
</a>
<a class="carousel-control-next" href="#slide" data-slide="next">
    <span class="carousel-control-next-icon"></span>
</a>
</div>
</div>

{% block content %}

{% endblock %}

<!-- footer -->
<div class="footer clearfix">
    <p class="text-center text-white p-2">
        Philippine Red Cross Blood Bank Management System
        <br> The National Headquarters of the Philippine Red Cross us
        <br> located at 37 EDSA corner Boni Avenue,
        <br> Mandaluyong City, Metro Manila.
        <br>
    </p>

</div>

</div>

</body>

</html>

```

Search.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
<!-- Search -->
<div class="search">
  
  <form action="{% url 'donorlistsite' %}" method="POST">
    {% csrf_token %}
    <div class="input-group mb-3">
      {{forms_search.select_blood_group}}
      {{forms_search.select_location}}
    </div>
    <button type="submit" class="btn search_bt">Search</button>

  </form>
</div>
```

```
{% endblock %}
```

Registration.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
<div class="container-fluid">
  <div class="form_body">
    <h2 class="text-center font-">Blood Donor Registration Form</h2>
    <form action="{% url 'dregdisplay' %}" method="post">
      {% csrf_token %}
      {{forms.as_p}}
      <button type="submit" class="btn reg_btn">Submit</button>
    </form>
  </div>
</div>
```

```
{% endblock %}
```

Contact us.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
&lt;div class="about_page"&gt;
  &lt;div class = "Contact_body"&gt;
    &lt;!-- page image --&gt;
    &lt;header id="page-header"&gt;
      &lt;div class="col-md-6 m-auto text-center text-light"&gt;
        &lt;h1&gt;Contact Us&lt;/h1&gt;
        &lt;p class="lead"&gt;Anybody Can Give Blood.
        &lt;br&gt;"Tears Of A Mother Cannot Save Her Child. But Your Blood Can."&lt;/p&gt;
      &lt;/div&gt;
    &lt;/header&gt;

    &lt;!-- address --&gt;
    &lt;div class="address text-center"&gt;
      &lt;address class="p-5 font-weight-bold"&gt;{{ contact.contact_text }}&lt;/address&gt;
    &lt;/div&gt;
  &lt;/div&gt;
&lt;/div&gt;
```

```
{% endblock %}
```

About us.html

```
{% extends 'base.html' %}
```

```
{% block content %}
```

```
&lt;!-- page image --&gt;
&lt;header id="page-header"&gt;
  &lt;div class="col-md-6 m-auto text-center text-light"&gt;
    &lt;h1&gt;About Us&lt;/h1&gt;
    &lt;p class="lead"&gt;Every Blood Donor Is A Life Saver&lt;/p&gt;
  &lt;/div&gt;
&lt;/header&gt;

&lt;!--about--&gt;
&lt;div class="about text-center"&gt;
  &lt;p class="font-weight-bold"&gt;{{ about.about_text }}&lt;/p&gt;
&lt;/div&gt;
```

```
{% endblock %}
```

