

Micro-Project Report

On

Submitted in partial fulfilment of the requirements

“blood bank management system”

For the award of the course of

Diploma of Engineering

In

Information technology

By

Name of the Students	Enrollment No.
Pathare Pranali Mangesh	2010510178
Patil Anant Ambadas	2010510179
Patil Shreya Suresh	2010510180
Patil Tejas Santosh	2010510181
Pawar Darshan Sunil	2010510182
Petkar Purva Shashim	2010510383

Under the guidance of

Subject Teacher

Mrs. Jyoti Dabhade

(Department Of Information Technology)

**DEPARTMENT OF INFORMATION TECHNOLOGY
GOVERNMENT POLYTECHNIC AWASARI (KHURD)**



SEMESTER - 4th (2021-22)

CERTIFICATE

This is to certify the following students of semester 4th of Diploma in Information Technology of Institute: Government polytechnic Awasari (kh) (code : 1051) has completed the micro project satisfactorily in subject- GUI application development using vb.net for the academic year 2021-2022 as prescribed in the curriculum.

Sr. No.	Names of Group Members	Roll No.	Enrollment No.
1	Pathare Pranali Mangesh	20IF231	2010510378
2	Patil Anant Ambadas	20IF232	2010510379
3	Patil Shreya Suresh	20IF233	2010510380
4	Patil Tejas Santosh	20IF234	2010510381
5	Pawar Darshan Sunil	20IF235	2010510382
6	Petkar Purva Shashim	20IF236	2010510383

Guidance by

(Mrs. J. Dabhade)

H.O.D

(Dr.D.N.Rewadkar)

Principal

(Dr.D.R.Nandanwar)

Part – A

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION



**GOVERNMENT POLYTECHNIC, AWASARI (KH) TAL
– AMBEGAON, DIST – PUNE – 412405**

MICROPROJECT

ACADEMIC YEAR : 2021-2022

COURSE NAME : GUI

**APPLICATION DEVELOPMENT USING
VB.NET**

COURSE CODE : 22034

BRANCH : Information Technology (SY)

TOPIC NAME : blood bank management system

MICRO PROJECT PROPOSAL

Aim: blood bank management system

Benefits:

The main advantage of a blood bank management system is **easy and effective information retrieval**. Hence, the staff can view precise information quickly. The staff can now store all the details in the blood bank management system. Therefore, they can get rid of the manual procedures.

Course Outcome Addressed:

- Use visual studio IDE to design applications
- Develop GUI application using form controls and its vents
- Apply object-oriented concepts in GUI application
- Use data access controls to store data in database and retrieve it.
- Use data binding in GUI application.

Proposed Methodology:

First of all, we have to select the topic, blood bank management system .We collected information about the topic using sources such as books and Internet. Then we type the required part-A and done proper page set up and submitted to subject teacher. After the setup of part-A We prepared report about our project. After finishing all the typing, we arrange all the data in proper arrangement. We selected proper margin font, lay out, 4A size etc. at last we gotthe printouts of the micro- project and submitted to subject teacher.

Action plan:

S. No.	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1	Formation of project group and allocation of microproject title			Pathare Pranali Mangesh Patil Anant Ambadas Patil Shreya Suresh Patil Tejas Santosh Pawar Darshan Sunil Petkar Purva Shashim
2	Information search about the project and requirement analysis of the project.			
3	Actual Project / Project Assembling			
4	Testing of the Project			
5	Acquire the print out And submit it			
6	Submission of the project			

Resources Required: -

Sr. No.	Name of Resource	Specifications	Qty	Remarks
1	Software	Visual basic 2022, MS access	–	-
2	Book	GUI application development using vb.net by Dr. Meenakshi A Thalor	1	-

Names of Team Members with Roll Nos.

Sr. No.	Names of Group Members	Roll No.	Enrollment No.
1	Pathare Pranali Mangesh	20IF231	2010510378
2	Patil Anant Ambadas	20IF232	2010510379
3	Patil Shreya Suresh	20IF233	2010510380
4	Patil Tejas Santosh	20IF234	2010510381
5	Pawar Darshan Sunil	20IF235	2010510382
6	Petkar Purva Shashim	20IF236	2010510383

Date : - 13/ 5/ 20

Blood Bank Management System (BBMS) is **a web-based system that can assist the information of blood bag during its handling in the blood bank.** With this system, the user of this system can key in the result of blood test that has been conducted to each of the blood bag received by the blood bank.

The main advantage of a blood bank management system is **easy and effective information retrieval.** Hence, the staff can view precise information quickly. The staff can now store all the details in the blood bank management system. Therefore, they can get rid of the manual procedures

Blood banks play an important role in the process of **collecting blood and managing blood stocks, approving blood requests, updating donations and updating available blood types.**

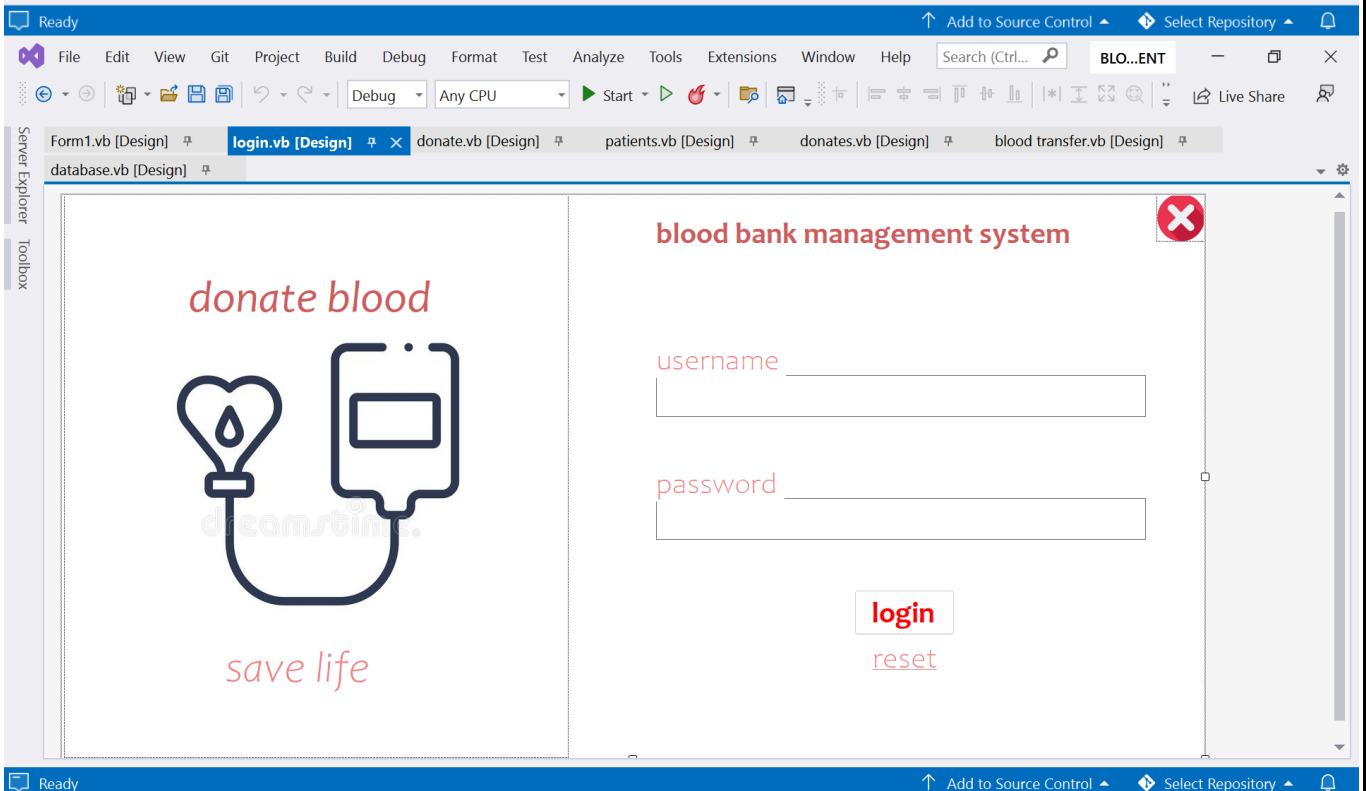
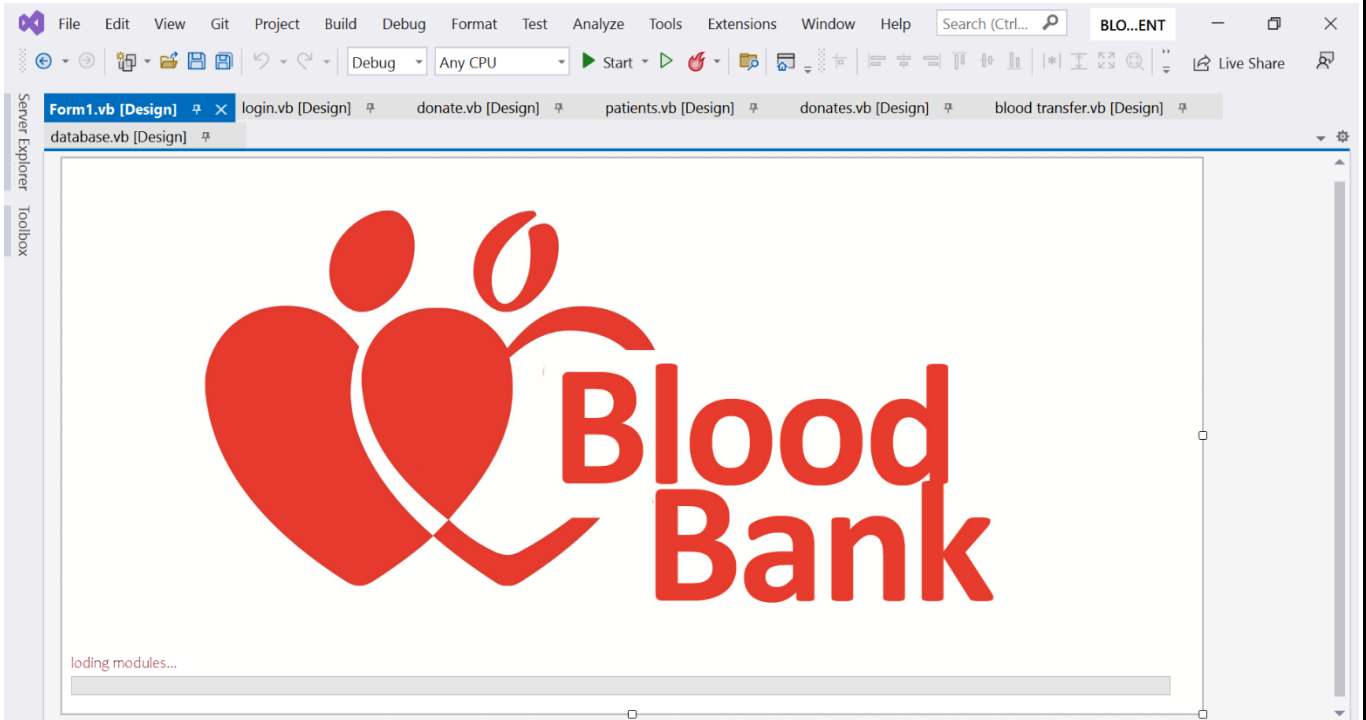
When test results are received, units suitable for transfusion are labelled and stored. Red cells are stored in refrigerators at 6°C for up to 42 days. Platelets are stored at room temperature in agitators for up to five days. Plasma and cryo are frozen and stored in freezers for up to one year.

Blood is an excellent culture medium for bacterial growth; therefore, it is stored in approved refrigerators at **2-6°C**, where it has a shelf life of 35 days from donation.

The software system is an online blood bank management system that helps in managing various blood bank operations effectively. The project consists of a central repository containing various blood deposits available along with associated details. These details include blood type, storage area and date of storage. These details help in maintaining and monitoring the blood deposits. The project is an online system that allows to check whether required blood deposits of a particular group are available in the blood bank. Moreover, the system also has added features such as patient name and contacts, blood booking and even need for certain blood group is posted on the website to find available donors for a blood emergency. This online system is developed on .net platform and supported by an Sql database to store blood and user specific details.

FEATURES OF BLOOD BANK MANAGEMENT SYSTEM -

- Blood Camp Management and Reporting.
- Donor Management.
- Donor Test Results Management and Adverse Reaction Data Management.
- Search based on Component ID, Donor Registration ID, Donor Blood Bag Number and Donor Name.
- Blood Components Management.
- Patient Management System.
- Blood Issue and Billing.
- Managing Practical Solutions for Blood Bank Management.



blood bank management system

donate patients donors blood transfer dashboard

blood stock donor's list

name blood group

donate

blood bank management system

donate patients donors blood transfer dashboard

patient's name phone no. age gender blood group address

add delete edit

patient's list

blood bank management system

donate patients donors blood transfer dashboard

blood stock blood group

name donor's list

donate

blood bank management system

donate patients donors blood transfer dashboard

blood transfer

gender name blood group

transfer

blood bank management system

donate patients donors blood transfer dashboard

analytics

	Dname	Dphno	Dage	Dgender	Dbloodgroup	Daddress
*						

insert

delete

update

GADDDataSet DONORSBindingSource DONORSTableAdapter GADDDataSet1 DONORSBindingSource1 DONORSTableAdapter1

File Edit View Git Project Build Debug Test Analyze Tools Extensions Window Help Search (Ctrl+Q) BLO...ENT

Form1.vb [Design] login.vb [Design] donate.vb [Design] patients.vb [Design] donates.vb [Design] blood transfer.vb [Design]

database.vb [Design]

database.vb

BLOOD BANK MANAGEMENT database Button1_Click

```

10 Private Sub database_Load(sender As Object, e As EventArgs) Handles MyBase.Load
11     'TODO: This line of code loads data into the 'GADDDataSet3.DONORS' table. You can move, or remove it,
12     Me.DONORSTableAdapter3.Fill(Me.GADDDataSet3.DONORS)
13     'TODO: This line of code loads data into the 'GADDDataSet2.DONORS' table. You can move, or remove it,
14     Me.DONORSTableAdapter2.Fill(Me.GADDDataSet2.DONORS)
15     'TODO: This line of code loads data into the 'GADDDataSet1.DONORS' table. You can move, or remove it,
16     Me.DONORSTableAdapter1.Fill(Me.GADDDataSet1.DONORS)
17     'TODO: This line of code loads data into the 'GADDDataSet.DONORS' table. You can move, or remove it, a
18     Me.DONORSTableAdapter.Fill(Me.GADDDataSet.DONORS)
19
20 End Sub
21
22 Private Sub Button1_Click(sender As Object, e As EventArgs)
23
24 End Sub
25
26 Private Sub Button3_Click(sender As Object, e As EventArgs) Handles database_insert.Click
27
28 End Sub

```

110 % 2 0 Ln: 23 Ch: 1 SPC CRLF