

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

GOVERNMENT POLYTECHNIC, AWASARI (KH)

TAL – AMBEGAON, DIST – PUNE – 412405

ACADEMIC YEAR	:	2021-22
COURSE NAME	:	GUI APPLICATION DEVELOPMENT USING VB.NET
COURSE CODE	:	22034
BRANCH	:	INFORMATION TECHNOLOGY (SY)
TOPIC NAME	:	PATIENTS RECORD MANAGEMENT SYSTEM Using VB.NET

DETAILS OF TEAM MEMBERS:

SR. NO.	NAMES OF GROUP MEMBERS	ROLL NO.	ENROLLMENT NO.
1	Bangar Sarthak	21IF201	2010510345
2	Barhate Vaishnavi	21IF202	2010510346
3	Bharati Aditya	21IF203	2010510347
4	Bhosure Priya	21IF204	2010510350
5	Chipade Aditya	21IF205	2010510351
6	Chipade Siddhi	21IF206	2010510352

GUIDANCE BY

MRS. DABHADE J. G.

GROUP LEADER

Bhosure Priya

DEPARTMENT OF INFORMATION TECHNOLOGY
GOVERNMENT POLYTECHNIC AWASARI (KHURD)



SEMESTER —III (2021-22)
CERTIFICATE

This is to certify the following students of semester Forth 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 2021-22 as prescribed in the curriculum.

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GUIDANCE BY

(MRS. DABHADE J. G.)

H.O.D

(DR. D. N. REWADKAR)

PRINCIPAL

(DR. D. R. NANDANWAR)

PART A

A MICRO PROJECT PROPOSAL

Aims / benefits of micro-project :

Aim: PATIENTS RECORD MANAGEMENT SYSTEM USING VB.NET

Benefits:

- PATIENT RECORDS MANAGEMENT SYSTEM project makes it easier to keep record of all patients.
- The GUI makes it easier even a non technical person can easily interact.
- Patient management system helps user in managing the patient records.
- It helps in keeping the record of all the patients that are available in the Hospital.

Course Outcomes (CO's):

- a. Use Visual Studio IDE to design application.
- b. Develop GUI Application using Form Controls and its events.
- c. Apply Object Oriented concepts in GUI Application.
- d. Use Data access controls to store data in Database and retrieve it.
- e. Use Data Binding in GUI Application

Proposed Methodology:

First of all we have to select a topic to develop a **PATIENTS RECORD MANAGEMENT SYSTEM** The teacher will assign one set of Micro Project and ask the student to create a report on given topic. We collected information about the topic using sources such as the internet and books then we asked the subject teacher about Creating GUI on which we have a micro project and 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 prepare a report of the given project. After finishing all the typing, we arrange all the data in proper arrangement. We selected proper margin font, layout, 4A size etc. at last we got the printouts of the micro- project and submitted to subject Teacher.

Action plan:

Sr. No.	Details of activity	Planned start date	Planned Finished date	Name of Responsible members
1	Selection of project title			ALL MEMEBERS
2	Conduct the information search about the project for requirement analysis of the project			
3	Assembling information for the project work			
4	Implementation of project			
5	Testing of project			
6	Final submit			

Resources Required:

S. No.	Name of Resource/material	Specifications	Qty	Remarks
1	Visual Studio 2022	-		
2	MS Word	-		
3	VB.Net Book	-		

GUIDANCE BY**(MRS. DABHADE J. G.)****H.O.D****(DR. D. N. REWADKAR)****PRINCIPAL****(DR. D. R. NANDANWAR)**

PART B – Micro-project Report

Title of Micro-Project

Patients Record Management System

1.0 Rationale :

Patients Record Management System project is developed using VB.NET. The Project is based on a concept to maintain and generate a record of all Patients. Talking about the project, Before entering the main menu, the user should pass through the login system to get access. After logging into the system, he/she can make a new entry of Patients and Appointment of patients and use other features like add new patients, update patients, delete.

2.0 Aims and Benefits of Micro-Project :

Aim : To create a Patients Record Management System using
VB.net.

3.0 Course Outcomes Addressed:

- e. Use Visual Studio IDE to design application.
- f. Develop GUI Application using Form Controls and its events.
- g. Apply Object Oriented concepts in GUI Application.
- h. Use Data access controls to store data in Database and retrieve it.
- i. Use Data Binding in GUI Application.

4.0 Actual Methodology:

First of all, we have to select a topic to develop a Hotel Management System using VB.net. The teacher will assign one set of Micro Project and ask the student to create a report on given topic. We collected information about the topic using sources such as the internet and books then we asked the subject teacher about Hotel Management System on which we have a micro project and 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 prepare a report of the given 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 got the printouts of the micro- project and submitted to subject Teacher.

5.0 Actual Resourced Used:

Sr.no.	Name of Resource	Specification	Qty.	Remarks
1	Visual Studio	Version 2022	-	
2	MS Word	2019	-	
3	Windows	11	-	

6.0 Skill developed / learning outcome of this micro-project :

1. We are able to use visual studio application
2. We are able to design many forms in VB.net
3. We are able to write console programs
4. We understand how store management system work

Introduction:

Patient Record System is a simple console based application in GUI. In this Patients Record Management System project we can store data related to the Patient into the database. In this project we use Patient module to storing, searching, updating and for the deleting data into the database. Patient data like name, dob, address, mobile number, age, city and so on.

The first key advantage of a Patient record management system is that an hospital institution can keep proper track of Patient's data.

Being an admin user you can access this data and more, by using a unique ID number of the Patient

This software allows your staff to go paperless and reduces manual work. There is no need to type in all the data of the Patient as well as others on the tons of excel sheets for long hours!

You can now organize it in a format that is simple and accessible to one and all. This means that you will be able to access data within seconds, something that would not have been possible without such a system in place.

Advantages of Patient Record System-

- **Better Administration**

With the help of a Patients record management system, it becomes super convenient to bring better administration to your hospital.

As mentioned above it reduces the manual task of data entering as it fetches up the data from one entry to another and in the advanced Patient information system it can generate multiple reports with those data, and that too without any efforts. It simplifies the overall administrative processes and brings digitally forward management.

- **Easy Time-table Management**

You are in better control when it comes to operational aspects with the implementation of a Patient information system. One such operation is managing the timetables for your institute.

Usually, this is one job that takes up a lot of time that could have been better invested in other better activities. But, with its timetable management feature, you can schedule health, meetings, assigned staff for care, substitute doctors and staff, ad-hoc, and other work automatically, without any problem whatsoever.

Source Code:

Form 1 coding

```
imports System.Data.OleDb
Imports System.Data
```



```
Public Class Form1
```

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
```

```
    Dim uname As String
```

```
    Dim pword As String
```

```
    Dim pass As String
```

```
    If TextBox1.Text = " " Or TextBox2.Text = " " Then
```

```
        MsgBox("Please fill the information")
```

```
    Else
```

```
        uname = TextBox1.Text
```

```
        pword = TextBox2.Text
```

```
        Dim query As String = "Select password from Table1 where uname = '" & uname & "';"
```

```
        Dim dbsource As String = "Provider=Microsoft.ACE.OLEDB.12.0;Data
```

```
Source=D:\hospital form\Database11.accdb"
```

```
        Dim conn = New OleDbConnection(dbsource)
```

```
        Dim cmd As New OleDbCommand(query, conn)
```

```
        conn.Open()
```

```
        Try
```

```
            pass = cmd.ExecuteScalar().ToString
```

```
        Catch ex As Exception
```

```
            MsgBox("Username Does not Exists")
```

```
        End Try
```

```
        If (pword = pass) Then
```

```
            MsgBox("Login Success")
```

```
            Form2.Show()
```

```
            If Form2.Visible Then
```

```
                Me.Hide()
```

```
            End If
```

```
        Else
```

```
            MsgBox("Login Failed")
```

```
            TextBox1.Clear()
```

```
            TextBox2.Clear()
```

```
        End If
```

```
    End If
```

```
End Sub
```

```
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    Form3.Show()
    If Form3.Visible Then
        Me.Hide()
    End If
End Sub
End Class
```

Form 2 coding

```
Public Class Form2
    Private Sub Form2_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        'TODO: This line of code loads data into the 'Database12DataSet.Table1' table. You can move,
        or remove it, as needed.
        Me.Table1TableAdapter.Fill(Me.Database12DataSet.Table1)

    End Sub

    Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
        Table1BindingSource.AddNew()

    End Sub

    Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
        Table1BindingSource.MovePrevious()

    End Sub

    Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
        Table1BindingSource.MoveNext()

    End Sub

    Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
        Table1BindingSource.RemoveCurrent()

    End Sub

    Private Sub Button7_Click(sender As Object, e As EventArgs) Handles Button7.Click
        Me.Close()

    End Sub
```

```

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
    Table1BindingSource.EndEdit()
    Table1TableAdapter.Update(Database12DataSet.Table1)
    Me.Table1TableAdapter.Fill(Me.Database12DataSet.Table1)
End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Dim mypicture As String =
System.Environment.GetFolderPath(Environment.SpecialFolder.MyPictures)
    With OpenFileDialog1
        .Filter = "jpg, jpeg Image|.jpg, jpeg|PNG Image|.png|BMP Image|.bmp|" & " All files(.)*"
        .Title = "Choose the Picture ...."
        .FilterIndex = 1
        .Multiselect = False
        .ValidateNames = True
        .InitialDirectory = mypicture
        .RestoreDirectory = True

        If (.ShowDialog = DialogResult.OK) Then
            PictureBox1.Image = Image.FromFile(OpenFileDialog1.FileName)
        Else
            Return
        End If
    End With

End Sub
End Class

```

Form 3 coding

```

Public Class Form3
    Private Sub Form3_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        'TODO: This line of code loads data into the 'Database13DataSet.Table1' table.
        You can move, or remove it, as needed.
        Me.Table1TableAdapter.Fill(Me.Database13DataSet.Table1)

    End Sub

```

```
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles  
Button1.Click  
    Table1BindingSource.AddNew()
```

```
End Sub
```

```
Private Sub Button3_Click(sender As Object, e As EventArgs) Handles  
Button3.Click  
    Table1BindingSource.MovePrevious()
```

```
End Sub
```

```
Private Sub Button4_Click(sender As Object, e As EventArgs) Handles  
Button4.Click  
    Table1BindingSource.MoveNext()
```

```
End Sub
```

```
Private Sub Button5_Click(sender As Object, e As EventArgs) Handles  
Button5.Click  
    Table1BindingSource.RemoveCurrent()
```

```
End Sub
```

```
Private Sub Button6_Click(sender As Object, e As EventArgs) Handles  
Button6.Click  
    Me.Close()
```

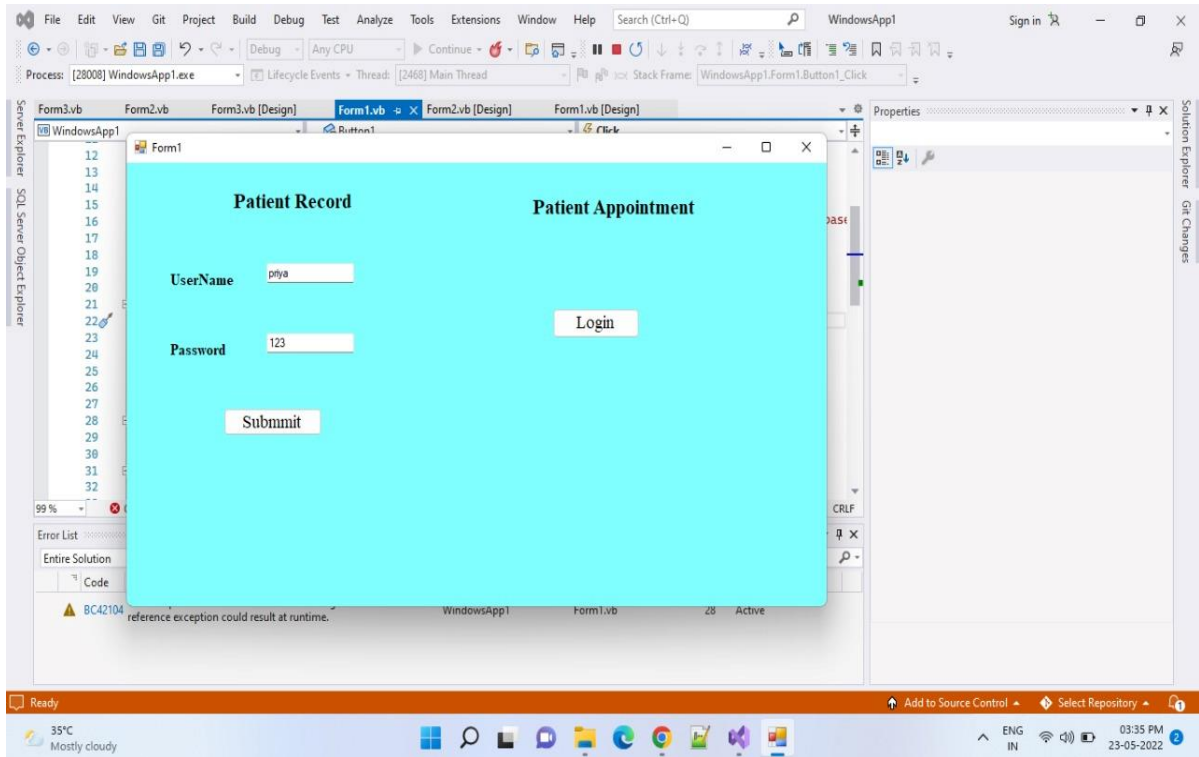
```
End Sub
```

```
Private Sub Button2_Click(sender As Object, e As EventArgs) Handles  
Button2.Click  
    Table1BindingSource.EndEdit()  
    Table1TableAdapter.Update(Database13DataSet.Table1)  
    Table1TableAdapter.Fill(Me.Database13DataSet.Table1)
```

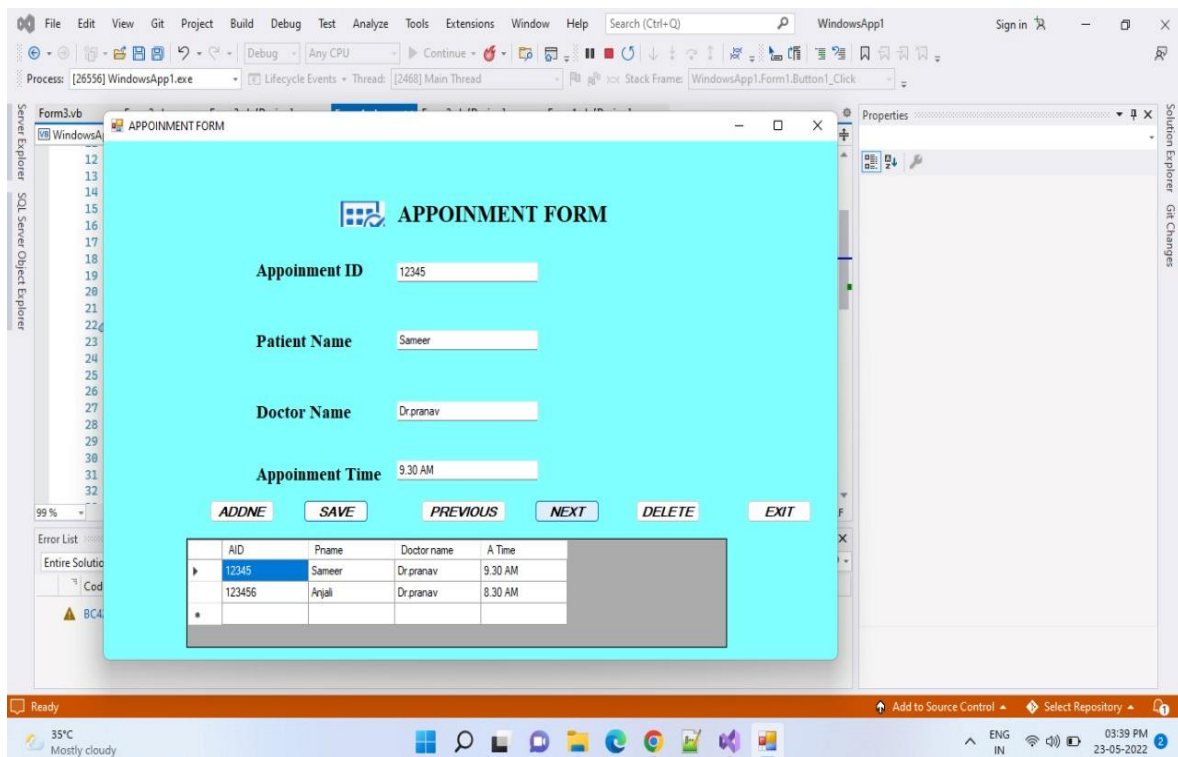
```
End Sub  
End Class
```

OUTPUT :

1)Login form:



2)Appointment Form:



3)Patient Form:

Patients Records

Patient Id: 202 Date of Birth: 27-11-2004

Patient Name: Vaishnavi Address: Professor Colony

Age: 18 City: Mumbai

Gender: FEMALE Mobile No: 853047

ADD SAVE PREVIOUS NEXT DELETE EXIT

PID	DOB	PNAME	AGE	GENDER	ADDRESS	MOBILE NO	PHOTO
202	27-11-2004	Vaishnavi	18	FEMALE	Professor Colony	853047	
204	22-8-2003	Priya	19	FEMALE	Aanand Colony	345678	

Database Of Login form

SECURITY WARNING: Some active content has been disabled. Click for more details. Enable Content

uname	password
priya	123
vaishnavi	12345
siddhi	987
sarthak	456
aditya	321

Database Of Appointment Form

SECURITY WARNING: Some active content has been disabled. Click for more details. Enable Content

AID	Pname	Doctor nam	A Time	Click to Add
12345	Sameer	Dr.pranav	9.30 AM	
123456	Anjali	Dr.pranav	8.30 AM	
0				

Datasheet View

Records: 1 of 2

35°C Mostly cloudy

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Database of Patient Records

Table Design

Field Name	Data Type	Description (Optional)
PID	Number	
PNAME	Long Text	
AGE	Short Text	
GENDER	Short Text	
DOB	Short Text	
ADDRESS	Short Text	
CITY	Short Text	
MOBILE NO	Number	
PHOTO	OLE Object	

Property Sheet

Selection type: Table Properties

General

Read Only When Disconnected	No
Subdatasheet Expanded	No
Subdatasheet Height	0cm
Orientation	Left-to-Right
Description	
Default View	Datasheet
Validation Rule	
Validation Text	
Filter	
Order By	
Subdatasheet Name	[Auto]
Link Child Fields	
Link Master Fields	
Filter On Load	No
Order By On Load	Yes

Field Properties

General Lookup

Field Size	Long Integer
Format	
Decimal Places	Auto
Input Mask	
Caption	
Default Value	0
Validation Rule	
Validation Text	
Required	Yes
Indexed	Yes (No Duplicates)
Text Align	General

A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.

Design view. F6 = Switch panes. F1 = Help.

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7.0 Conclusion :

Project with fully complete and run with every aspect of coding and connectivity with the database

8.0 References:

Name Of Resources	Specification	Quantity
Visual Basic.Net	Jeffrey R. Shapiro	1
MS World	2019	1
Visual Basic Studio	2022	1
