

## **Vision**

**Provide skilled professionals in Computer Engineering to contribute towards the advancement of technology useful for society and industrial environment.**

## **Mission**

**M1.**Impart need based and value based education by providing exposure of latest tools and technologies in the area of computer engineering to satisfy the stakeholders.

**M2.**Upgrade and maintain facilities for quality technical education with continuous effort for excellence in Computer Engineering.

**M3.** Train students with Computer Engineering knowledge to apply it in the general disciplines of design, deployment of software and integration of existing technologies for E-governance and for benefit of society.

**M4.** Provide a learning ambience to enhance innovations, problem solving skills, leadership qualities, team spirit and ethical responsibilities.

**M5.** Provide an academic environment and consultancy services to the industry and society in the area of Computer Engineering.

# **MICRO-PROJECT REPORT**

**ON**

**To Develop a Student Attendance System in VB.NET**

**In Partial fulfilment of Diploma in Computer Engineering**

**(Third Semester)**

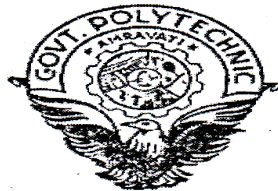
**In the subject of**

**GUI Application Development Using .NET (FC3410)**

**By**

**Mr. Ayush Bulbule**

**Submitted To**



**Government Polytechnic, Amravati**

**(An Autonomous Institute of Govt. of Maharashtra)**

**Under the guidance of**

**Mr. Monal R. Torney**

**Lecturer in GUI Application Development Using .NET**

**Department of Science & Humanities**

**Government Polytechnic, Amravati**

**(2020-2021)**



**Government Polytechnic, Amravati.**

(An Autonomous Institute of Govt. of Maharashtra)

**Department of Science & Humanities**

## *Certificate*

This is to certify that **Mr. Ayush Bulbule** Identity Code. **19CM007**, of Third Semester Diploma in Computer Engineering has satisfactorily completed the micro project entitled “ **To Develop Student Attendance System in VB.NET.** ” in **(FC3410) GUI Application Development Using .NET** for the academic year 2020-21 as prescribed in curriculum.

Place: Amravati

Date:    /    /2021

**Mr. Monal R. Torney**

Lecturer in **GUI Application**

**Development Using .NET**

Annexure-I

# Title of Micro-Project

## To Develop Student Attendance System in VB.NET

### 1.0 Brief Introduction

Attendance System are one of the widely used ones ranging from primary schools to major organizations. A lot of paper is been used and which is later wasted by an organizations. This in turn leads to lot of deforestation thus leading to global warming. Small innovative steps in making use of technology for regular purposes would have an adverse effect on the environment issues which we are presently concerned about. For such reasons, this Student Attendance System is useful and has many upcoming applications in educational institutes.

### 2.0 Aim of the Micro-Project

**This Micro-Project aims at:**

1. Learning the concept of VB.NET.
2. To learn the concept of MySQL Database.
3. To build Student Attendance System application.
4. To reduce the paper work by the optimum use of computing.
5. To provide secured authentications and user-friendly application to users.

### 3.0 Action Plan (Sequence and time required for major activities for 8 weeks)

Sr.No.	Details of activity	Plan start date	Plan Finish date	I. Code &Name of Team Members
1	Gathering Contents	5/12/2020	12/12/2020	(19CM003) Bhagyashree Tekade
2	Making Windows Form Application	27/12/2020	9/1/2021	(19CM007) Ayush Bulbule
3	Making Report and File	9/1/2021	17/1/2021	(19CM020) Pratham Gaur
4	Making Database	20/12/2020	26/12/2020	(19CM033) Malhar Joshi
5	Planning (Proposal Submission)	13/12/2020	19/12/2020	(19CM057) Akanksha Shewatkar

### 4.0 Resources Required (major resources such as raw material, some machining facility, software etc.)

S.N.	Name of Resource/material	Specifications	Remarks
1	Operating System	Windows 10	
2	.NET framework	Visual Studio	
3	Database	MySQL	
4	Internet		

## 5.0 Names of Team Members with Identity Codes:

- i. Bhagyashree Tekade (19CM003)
- ii. Ayush Bulbule (19CM007)
- iii. Pratham Gaur (19CM020)
- iv. Malhar Joshi (19CM033)
- v. Akanksha Shewatkar (19CM057)

## Guideline for Assessment of Micro-Project

### Evaluation as per suggested Rubric for Assessment of Micro-Project

Assessment Parameter	Characteristic to be assessed	Average (1 mark)	Good (1.5 mark)	Excellent (2 mark)
Process Assessment (06)	Relevance of the courses & proposals			
	Literature survey/market survey/information collection			
	Analysis of data & completion of the target as per proposal/			
Product Assessment (04)	Report Preparation/Quality of Prototype/model			

# **Title of Micro Project**

## **To Develop Student Attendance System in VB.NET**

### **1.0 Brief Introduction**

Attendance System are one of the widely used ones ranging from primary schools to major organizations. A lot of paper is been used and which is later wasted by an organizations. This in turn leads to lot of deforestation thus leading to global warming. Small innovative steps in making use of technology for regular purposes would have an adverse effect on the environment issues which we are presently concerned about. For such reasons, this Student Attendance System is useful and has many upcoming applications in educational institutes.

### **2.0 Aim of the Micro-Project**

**This Micro-Project aims at:**

- a) Learning the concept of VB.NET.
- b) To learn the concept of MySQL Database.
- c) To build Student Attendance System application.
- d) To reduce the paper work by the optimum use of computing.
- e) To provide secured authentications and user-friendly application to users.

### **3.0 Course Outcomes Integrated**

- Describe .NET framework and its architecture.
- Develop .NET application using decision control and loop control structures.
- Apply Object Oriented concepts in GUI application.
- Use data access controls to store data in Database and retrieve it.

### **4.0 Actual Procedure Followed**

- 1) **Bhagyashree Tekade:** Collected information and videos from internet related micro-project.
- 2) **Ayush Bulbule:** Made Front End (GUI) application using VB.NET in Windows Form Application.
- 3) **Pratham Gaur:** Made Report and Word File of the micro-project.
- 4) **Malhar Joshi:** Made Database in MySQL with multiple tables.
- 5) **Akanksha Shewatkar:** Planned the things which are included in Project and what each member should do in it.

### 5.0 Actual Resources used (Mention the actual resources used)

S.N.	Name of Resource/material	Specifications	Remarks
1	Operating System	Windows 10	
2	.NET Application	Visual Studio	
3	Database	MySQL	
4	Internet		

### 6.0 Output of the Micro-Project

Output of this Micro-Project is attached to this file.

### 7.0 Skill Developed / Learning outcomes of this Micro-Project

- ❖ To build the user-friendly application using VB.NET.
- ❖ To learn the concept of VB.NET.
- ❖ To learn the concept of Database.

### 8.0 Assessment by Faculty as per Rubrics

Process Assessment (06)	Product Assessment (04)	Total Marks (10)	Signature of Faculty

## CONTENTS

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## Abstract

Student Attendance System using VB.NET deals with the maintenance of students' attendance details. The staffs will be provided with the separate username and password to make students' status. The student attendance report based on weekly and consolidate will be generated. Student Attendance System is software developed for daily student attendance in schools, colleges and institutes. The information is sorted by the operators, which will be provided by the teacher for a particular class. The purpose of developing Attendance Management System is to computerized the tradition way of taking attendance. Another purpose for developing this software is to generate the report automatically at the end of the session or in the between of the session. This software has operators as the teachers and the administrators. Firstly administrators will register the students so that the teacher can access the software for taking the attendance and generating the report. The teacher is provided with the facilities such as taking the attendance, generating the consolidate report, view all student attendance through dates and searching particular student attendance. Administrator can also add the new student in the database. Now the teacher can login to take the attendance and generate the consolidate report.

# INTRODUCTION

Attendance is taken every day on each working day whether it is college, school or any other institution and in this process every institution wasted lots of paper just for keeping the record. With such small reasons, our natural resources are depleting at the enormous rate and it can be possible that our descendants don't able to get those resources.

Attendance System are one of the widely used ones ranging from primary schools to major organizations. A lot of paper is been used and which is later wasted by an organizations. This in turn leads to lot of deforestation thus leading to global warming. Small innovative steps in making use of technology for regular purposes would have an adverse effect on the environment issues which we are presently concerned about. For such reasons, this Student Attendance System is useful and has many upcoming applications in educational institutes.

## 1.1 NECESSITY

As far as today's technology is concerned all these things can be very efficiently managed. Student Attendance System is very functional in order to manage various departments within the college. The cost of this system is definitely very much less than the paper work and the speed for the operation will be very much faster. The reduced time to complete process provided by the tangible benefits, improves the day to day operations of all functions within the department, leading to complete tasks and the general 'feel good' factor.

## 1.2 OBJECTIVES

- To reduce the paper work by the optimum use of computing.
- To provide secured authentications to users.
- To view all student through dates.
- To search particular students' attendance.
- To generate the report automatically at the end of the session or in the between of the session.
- To add the new student in the database.

# SYSTEM REQUIREMENTS

## 2.1 LITERATURE REVIEW

A literature review can be referred to as a review of current system that the researcher had done previously and the review of the system that will be developed. Literature Review also focuses on the knowledge and the ideas established on a topic as well as their strengths and the weaknesses. Nowadays, technology is getting better and better to replacing the traditional system to speed up the process by introducing the computerized system.

### 2.1.1 STRENGTHS

There are some strengths that can be found in this Desktop-Based Student Attendance System. First of all, the system can be known as a computerized system that reduces the workload of the users in managing the attendance records. Compared to the traditional attendance system, it offered cost effectiveness since it reduces the paper needed to process the data of the student attendance records. In addition, it will also help the lecturers save up a lot of time in recording the attendance of the students throughout the whole semester. In addition, since the proposed system does not require any special hardware to make it workable, so it will be very easy to use due to its simplicity. At the same time, it will reduce the training cost required to train the user in operate that student attendance system. Besides that, it only required local database to store all the information of the student attendance which means the lecturers do not need to worry about the network coverage issues. Other than that, system was designed in extremely simple graphical user-interface which allows user to easily deal with the system.

### 2.1.2 WEAKNESSES/LIMITATIONS

There are some drawbacks that can be found from the solution in using desktop-based student attendance system. First of all, the system will still require the lecturers to key-in student attendance records in every class. Although the system had developed to be work in computerization, but it still require computer operator to manage the storing and retrieving of information frequently. So, the proposed system had only converted the traditional attendance system to computerization but everything still have to be done manually such as key-in student attendance and etc. In addition, it only reduces the cost used for paper work but the system does not save up much time from record the student attendance. Other than that, those kind lecturers may try to help those student who always absent from the class to prevent get barred from the final exam by fake the student attendance by their own since lecturers is the one who key-in the attendance records in every class. Other than that, the proposed system only provides very basic functions to be used by the lecturers.

# SYSTEM TOOLS

## **3.1 FRONTEND**

The technology which is selected to develop the system is VB.NET. The front end is developed by .NET. Developers have full access to the same framework APIs used by the core applications. The application architecture is designed to simplify the reuse of components; any application can publish its capabilities and any other application may then make use of those capabilities (subject to security constraints enforced by the framework). This same mechanism allows components to be replaced by the user.

## **3.2 BACKEND**

At the back end MySQL is used and operating system is used Windows 10 and the system can be modified on any of the platform in the world. There are various tables created in this database for various purpose such as Users which contains the list of users, Students which contains list of students, etc....

# SYSTEM ANALYSIS

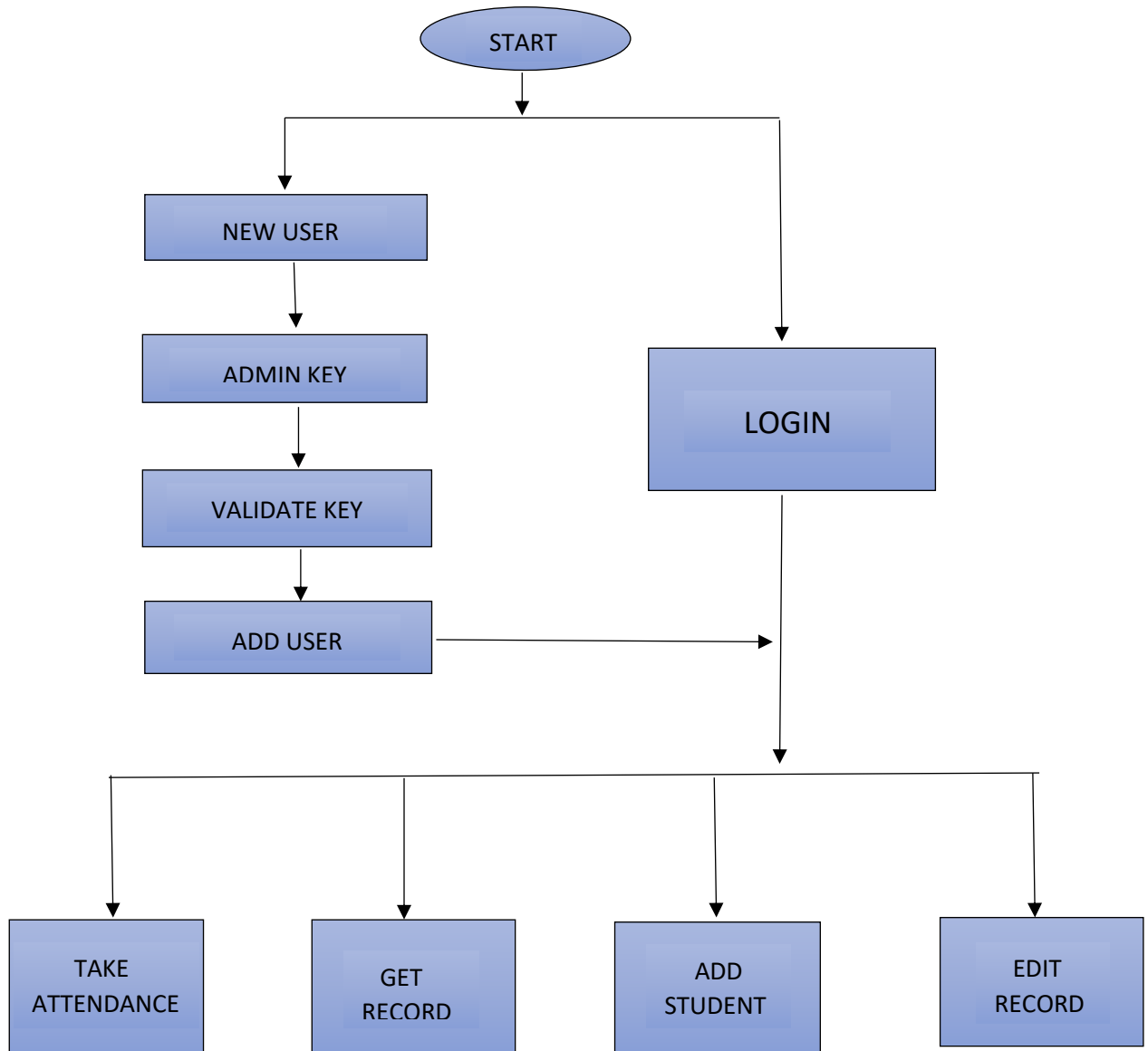
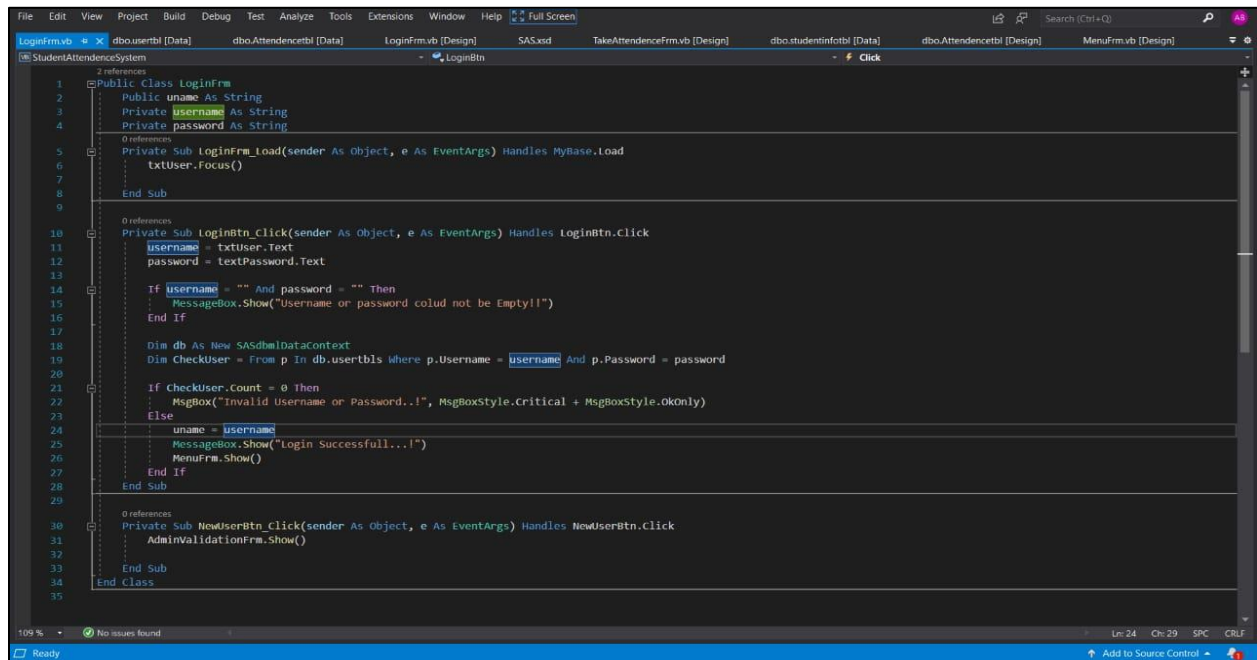


Fig. 1 Data Flow Diagram

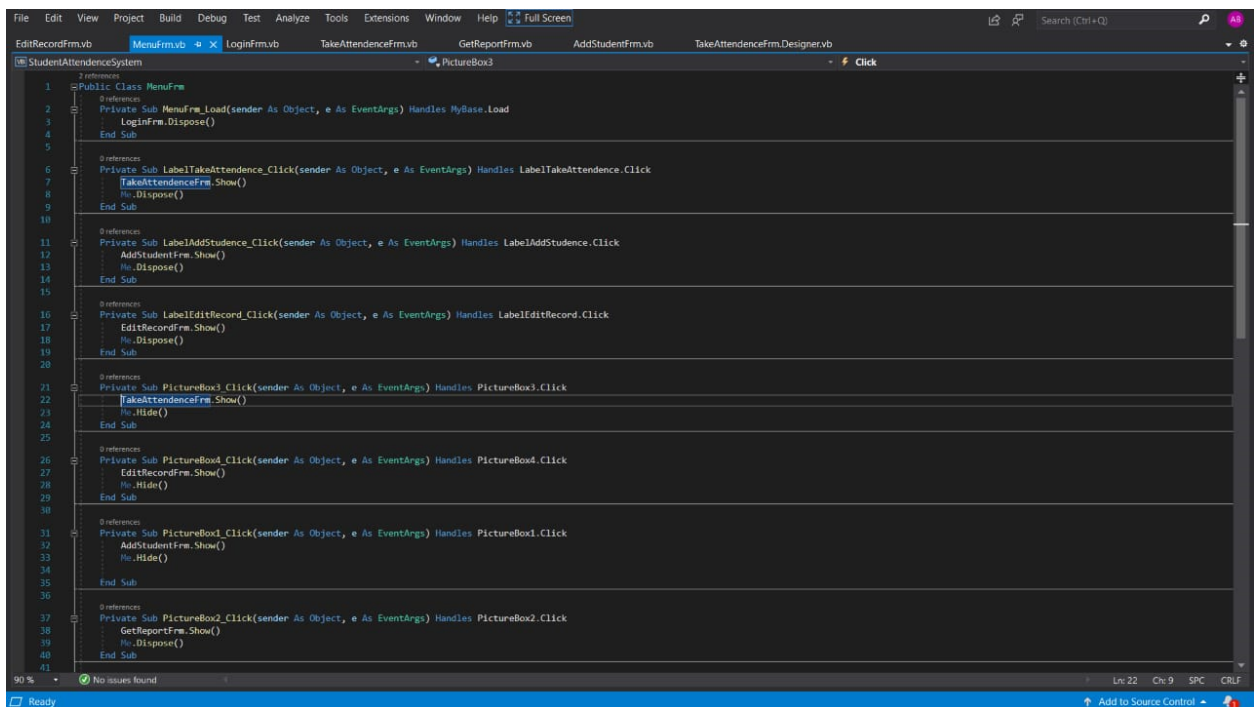
# SNAPSHOTS

## 5.1 CODE



```
1 2 references
2 Public Class Loginfrm
3     Public uname As String
4     Private username As String
5     Private password As String
6
7     Private Sub Loginfrm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
8         txtUser.Focus()
9     End Sub
10
11 Private Sub loginBtn_Click(sender As Object, e As EventArgs) Handles loginBtn.Click
12     username = txtUser.Text
13     password = textPassword.Text
14
15     If username = "" And password = "" Then
16         MessageBox.Show("Username or password could not be Empty!!")
17     End If
18
19     Dim db As New SASdbmlDataContext
20     Dim CheckUser = From p In db.usertbls Where p.Username = username And p.Password = password
21
22     If CheckUser.Count = 0 Then
23         MsgBox("Invalid Username or Password..!", MsgBoxStyle.Critical + MsgBoxStyle.OkOnly)
24     Else
25         uname = username
26         MessageBox.Show("Login Successfull...!")
27         MenuFrm.Show()
28     End If
29 End Sub
30
31 Private Sub NewUserBtn_Click(sender As Object, e As EventArgs) Handles NewUserBtn.Click
32     AdminValidationFrm.Show()
33 End Sub
34 End Class
```

Fig. 2 Login Form Code



```
1 2 references
2 Public Class MenuFrm
3     Private Sub MenuFrm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
4         LoginFrm.Dispose()
5     End Sub
6
7 Private Sub LabelTakeAttendance_Click(sender As Object, e As EventArgs) Handles LabelTakeAttendance.Click
8     TakeAttendanceFrm.Show()
9     Me.Dispose()
10 End Sub
11
12 Private Sub LabelAddStudence_Click(sender As Object, e As EventArgs) Handles LabelAddStudence.Click
13     AddStudentFrm.Show()
14     Me.Dispose()
15 End Sub
16
17 Private Sub LabelEditRecord_Click(sender As Object, e As EventArgs) Handles LabelEditRecord.Click
18     EditRecordFrm.Show()
19     Me.Dispose()
20 End Sub
21
22 Private Sub PictureBox1_Click(sender As Object, e As EventArgs) Handles PictureBox1.Click
23     TakeAttendanceFrm.Show()
24     Me.Hide()
25 End Sub
26
27 Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click
28     EditRecordFrm.Show()
29     Me.Hide()
30 End Sub
31
32 Private Sub PictureBox3_Click(sender As Object, e As EventArgs) Handles PictureBox3.Click
33     AddStudentFrm.Show()
34     Me.Hide()
35 End Sub
36
37 Private Sub PictureBox4_Click(sender As Object, e As EventArgs) Handles PictureBox4.Click
38     GetReportFrm.Show()
39     Me.Dispose()
40 End Sub
41 End Class
```

Fig. 3 Menu Form Code

```

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Full Screen
StudentAttendanceSystem - TakeAttendanceFrm.vb* - Click
1 Public Class TakeAttendanceFrm
2 Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
3 If TextRoll.Text = "" And textStatus.Text = "" And ComboSem.Text = "" And TextSub.Text = "" Then
4 MsgBox("Please Enter All Details", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
5 End If
6
7 'Check for Duplication
8 Dim db As New SASdbmlDataContext
9
10 Dim CheckoutDetails = From p In db.Attendancetbls
11 Where p.StudentRoll = TextRoll.Text And p.Date = DatePicker.Value And p.Subject = TextSub.Text
12 Select p
13
14 If CheckoutDetails.Count < 0 Then
15 MsgBox("Student Already Attended!!", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
16 End If
17
18 Dim newAttendance As New Attendancetbl With {.Sem = ComboSem.Text, .Subject = TextSub.Text, .Date = DatePicker.Value, .StudentRoll = TextRoll.Text, .Status = textStatus.Text}
19 db.Attendancetbls.InsertOnSubmit(newAttendance)
20 db.SubmitChanges()
21
22 Try
23 db.SubmitChanges()
24 Catch
25 '/// Make some adjustments.
26 '/// ...
27 '/// Try again.
28 db.SubmitChanges()
29 End Try
30 TakeAttendanceFrm_Load(sender, e)
31
32 'ClearButton_Click(sender, e)
33 End Sub
34
35 Private Sub TakeAttendanceFrm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
36 'TODO: This line of code loads data into the 'SAS.Attendancetbl' table. You can move, or remove it, as needed.
37 Me.AttendancetblTableAdapter.Fill(Me.SAS.Attendancetbl)
38 End Sub
39
40 Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
41 TextRoll.Text = ""
42 TextSub.Text = ""
43 textStatus.Text = ""
44 End Sub
45
90% No issues found Lin: 44 Ch: 12 SPC CRLF
Ready Add to Source Control

```

Fig. 4 Take Attendance Form Code

```

File Edit View Project Build Debug Test Analyze Tools Extensions Window Help Full Screen
StudentAttendanceSystem - GetReportFrm.vb* - DeleteBtn
1 Public Class GetReportFrm
2 Private Sub GetReportFrm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
3 'TODO: This line of code loads data into the 'SAS.Attendancetbl' table. You can move, or remove it, as needed.
4 Me.AttendancetblTableAdapter.Fill(Me.SAS.Attendancetbl)
5 End Sub
6
7 Private Sub SearchBtn_Click(sender As Object, e As EventArgs) Handles SearchBtn.Click
8 If TextSearch.Text = "" Then
9 MsgBox("Please Enter Roll No to Search Details", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
10 End If
11
12 'Check for Duplication
13 Dim db As New SASdbmlDataContext
14 Dim CheckoutDetails = From p In db.Attendancetbls
15 Where p.StudentRoll = TextSearch.Text
16 Select p
17
18 If CheckoutDetails.Count < 0 Then
19 DataGridView1.DataSource = CheckoutDetails
20 Else
21 MsgBox("Student's Attendance Not Available in Record!", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
22 End If
23 End Sub
24
25 Private Sub DeleteBtn_Click(sender As Object, e As EventArgs) Handles DeleteBtn.Click
26 Try
27 Dim db As New SASdbmlDataContext
28 Dim SelectedAttendance = From p In db.Attendancetbls
29 Where p.Id = Val(DataGridView1.CurrentRow.Cells(0).Value)
30 Select p
31
32 db.Attendancetbls.DeleteOnSubmit(SelectedAttendance.FirstOrDefault())
33 db.SubmitChanges()
34 GetReportFrm_Load(sender, e)
35
36 Catch ex As Exception
37 MsgBox("Please select and record to delete from List!", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
38 End Try
39 End Sub
40
41 Private Sub MainMenuToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles MainMenuToolStripMenuItem.Click
42
43 End Sub
44
99% No issues found Lin: 31 Ch: 60 SPC CRLF
Ready Add to Source Control

```

Fig. 5 Get Report Form Code

```

4 Private Sub AddStudentForm_Load(sender As Object, e As EventArgs) Handles MyBase.Load
5     TextReg.Focus()
6 End Sub

7 Private Sub SaveButton_Click(sender As Object, e As EventArgs) Handles SaveButton.Click
8     'Validation
9     If TextFullName.Text = "" Or TextEmail.Text = "" Or ComboGender.Text = "" Or ComboSem.Text = "" Then
10         MsgBox("Please Enter All Details", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
11     End If
12
13     'Check for Duplication
14     Dim db As New SASdbmlDataContext
15
16     Dim Checkoutdetails = From p in db.studentinfotbls
17                          Where p.RegistrationNum = TextReg.Text
18                          Select p
19     If Checkoutdetails.Count <> 0 Then
20         MsgBox("Student Is Already Registered With this Registration Number!!", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
21         Exit Sub
22     End If
23
24     Dim newstudentinfo As New studentinfotbl With {.Address = TextAddress.Text, .Age = NumericAge.Value, .Email = TextEmail.Text, .FullName = TextFullName.Text, .Gender = Combo
25
26     db.studentinfotbls.InsertOnSubmit(newstudentinfo)
27     db.SubmitChanges()
28
29     Try
30         db.SubmitChanges()
31     Catch
32         '// Make some adjustments.
33         '// ...
34         '//try again.
35         db.SubmitChanges()
36     End Try
37
38     MsgBox("Student Record Saved Successfully!!", MsgBoxStyle.Information + MsgBoxStyle.OkOnly)
39 End Sub
40
41

```

Fig. 6 Add Student Form

```

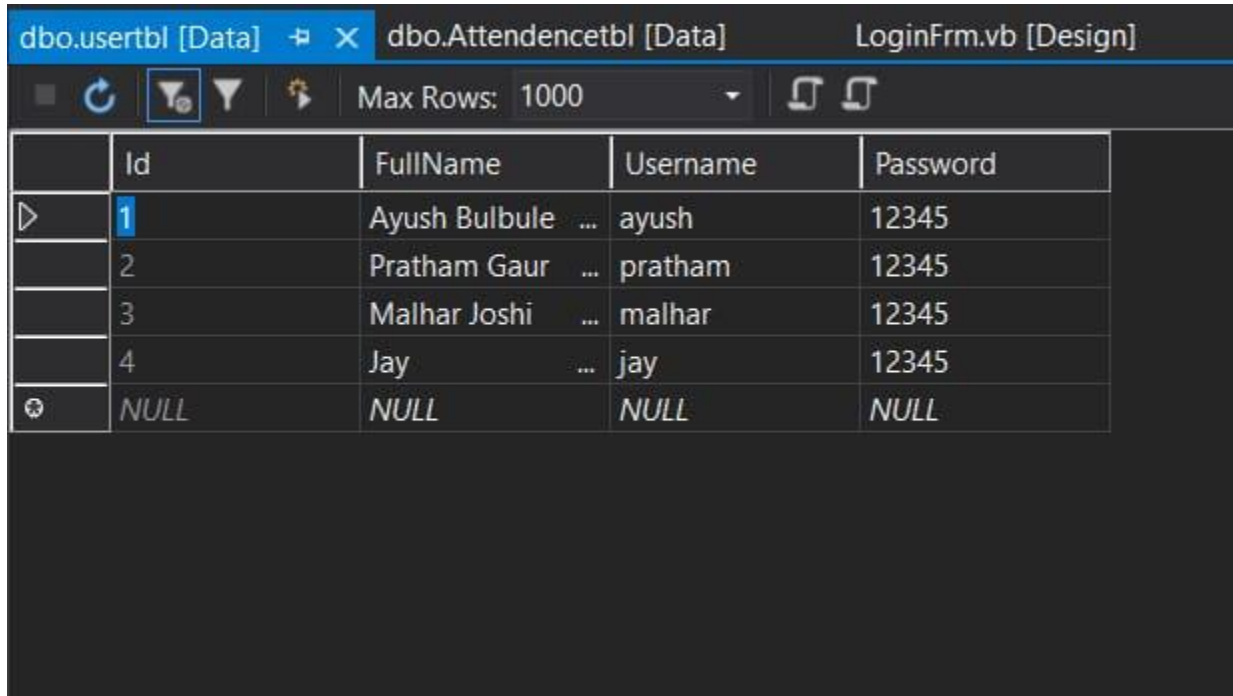
14 End Sub
15
16 Private Sub ButtonDelete_Click(sender As Object, e As EventArgs) Handles ButtonDelete.Click
17     Try
18         Dim db As New SASdbmlDataContext
19         Dim SelectedStudent = From p in db.studentinfotbls
20                             Where p.Id = Val(DataGridView.CurrentRow.Cells(0).Value)
21                             Select p
22         db.studentinfotbls.DeleteOnSubmit(SelectedStudent.FirstOrDefault)
23         db.SubmitChanges()
24         EditRecordForm_Load(sender, e)
25     Catch ex As Exception
26         MsgBox("Please select and record to delete from List!!", MsgBoxStyle.Exclamation + MsgBoxStyle.OkOnly)
27     End Try
28 End Sub
29
30
31
32
33
34
35
36 Private Sub ButtonPrint_Click(sender As Object, e As EventArgs) Handles ButtonPrint.Click
37     PrintDocument1.Print()
38 End Sub
39
40
41 Private Sub PrintDocument1_PrintPage(ByVal sender As System.Object, ByVal e As System.Drawing.Printing.PrintPageEventArgs) Handles PrintDocument1.PrintPage
42     Dim bm As New Bitmap(1000, 1000)
43     DataGridView1.DrawToBitmap(bm, New Rectangle(0, 0, 1000, 1000))
44     e.Graphics.DrawImage(bm, e, 0)
45 End Sub
46
47
48 Private Sub ButtonRefresh_Click(sender As Object, e As EventArgs) Handles ButtonRefresh.Click
49     EditRecordForm_Load(sender, e)
50 End Sub
51
52
53 Private Sub TextSearch_TextChanged(sender As Object, e As EventArgs) Handles TextSearch.TextChanged
54 End Sub
55
56
57 Private Sub SearchButton_Click(sender As Object, e As EventArgs) Handles SearchButton.Click
58     If TextSearch.Text = "" Then
59         EditRecordForm_Load(sender, e)
60     Else
61         'No StudentInfoTableAdapter.FillByFullName(No-SAS-studentinfotbl, TextSearch.Text & "%")
62     End If
63 End Sub
64
65

```

Fig. 7 Edit Record Form Code



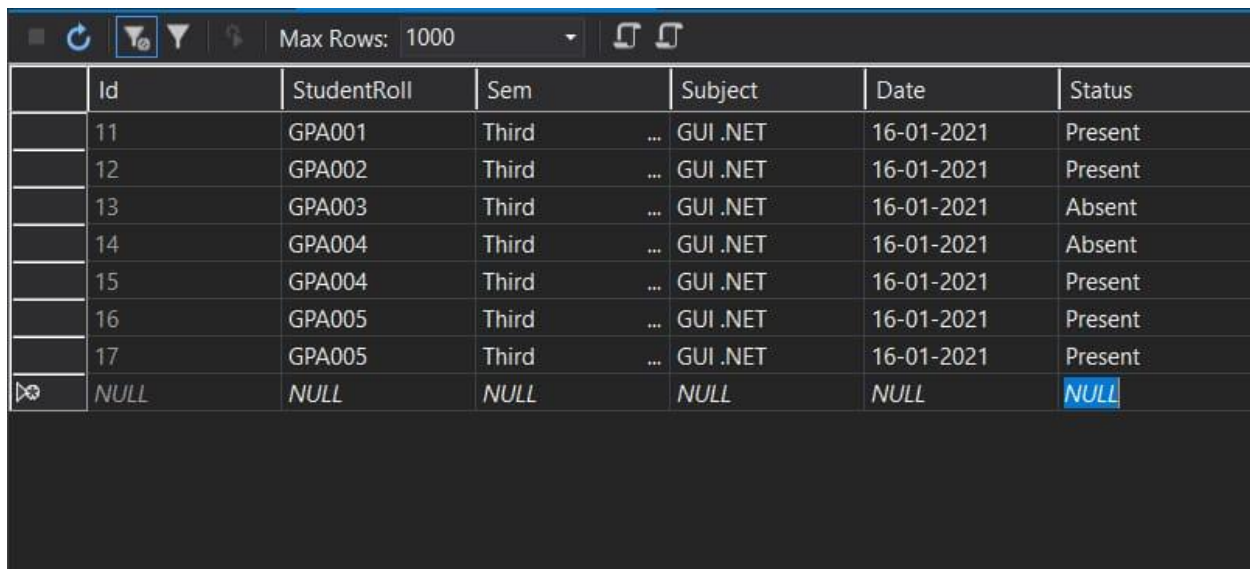
## 5.2 DATABASE



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays the database structure, and the bottom pane shows the data for the 'dbo.usertbl' table. The table has five columns: Id, FullName, Username, and Password. The data is as follows:

	Id	FullName	Username	Password
▶	1	Ayush Bulbule ...	ayush	12345
	2	Pratham Gaur ...	pratham	12345
	3	Malhar Joshi ...	malhar	12345
	4	Jay ...	jay	12345
✖	NULL	NULL	NULL	NULL

Fig. 8 User Table



The screenshot shows the SQL Server Enterprise Manager interface. The top pane displays the database structure, and the bottom pane shows the data for the 'dbo.Attendancetbl' table. The table has seven columns: Id, StudentRoll, Sem, Subject, Date, and Status. The data is as follows:


	Id	StudentRoll	Sem	Subject	Date	Status
	11	GPA001	Third ...	GUI .NET	16-01-2021	Present
	12	GPA002	Third ...	GUI .NET	16-01-2021	Present
	13	GPA003	Third ...	GUI .NET	16-01-2021	Absent
	14	GPA004	Third ...	GUI .NET	16-01-2021	Absent
	15	GPA004	Third ...	GUI .NET	16-01-2021	Present
	16	GPA005	Third ...	GUI .NET	16-01-2021	Present
	17	GPA005	Third ...	GUI .NET	16-01-2021	Present
✖	NULL	NULL	NULL	NULL	NULL	NULL

Fig. 9 Attendance Table

## 5.3 OUTPUT

login

# Student Attendance System



**GOVERNMENT**  
Polytechnic | Amravati  
(An Autonomous Institute Of Govt. of Maharashtra)

Project by-

- 19CM003 Bhagyashree Tekade
- 19CM007 Ayush Bulbule
- 19CM020 Prtham Gaur
- 19CM033 Malhar Joshi
- 19CM057 Akansha Shewatkar

Username

Password


New User

Login

Fig. 10 Login Form

login

# Student Attendance System



**GOVERNMENT**  
Polytechnic | A  
(An Autonomous Institute Of Govt. of Maharashtra)

Project by-

- 19CM003 Bhagyashree Tekade
- 19CM007 Ayush Bulbule
- 19CM020 Prtham Gaur
- 19CM033 Malhar Joshi
- 19CM057 Akansha Shewatkar

AdminValidationFrm

Enter Admin Key

Validate

Username

Password


New User

Login

Fig. 11.1 Add User Form

login

# Student Attendance System



Project by-

- 19CM003 Bhagyashree
- 19CM007 Ayush Bulbule
- 19CM020 Pratham Gaur
- 19CM033 Malhar Joshi
- 19CM057 Akansha Shewatkar

**New User**

Full Name  
Jay

Username  
jay

Password  
\*\*\*\*\*

Confirm  
\*\*\*\*\*


Add User

Login

Fig. 11.2 New User Information Form

login

# Student Attendance System



Project by-

- 19CM003 Bhagyashree
- 19CM007 Ayush Bulbule
- 19CM020 Pratham Gaur
- 19CM033 Malhar Joshi
- 19CM057 Akansha Shewatkar

**New User**

Full Name  
Jay

Username  
jay

Password  
\*\*\*\*\*

Add User

Login

StudentAttendanceSystem


Student Record Saved Successfully!!

OK

Fig. 11.3 New User Form

login

## Student Attendance System



**GOVERNMENT**  
Polytechnic | Amravati  
(An Autonomous Institute Of Govt. of Maharashtra)

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Login

Username

Password

New User

Login


Login Successfull...!

OK


Fig. 11.4 Login Form

Menu


## Student Attendance System




Take Attendance



Get Record



Add Student



Edit Record

Fig. 12 Menu Form

TakeAttendanceFrm

MainMenu AddStudent EditStudent GetReport

Semester: Third Subject: GUI .NET Date: 16 January 2021

RollNo: GPA005 Status: Present

Clear Save

	Id	StudentRoll	Sem	Subject	Date	Status
▶	11	GPA001	Third	GUI .NET	16-01-2021	Present
	12	GPA002	Third	GUI .NET	16-01-2021	Present
	13	GPA003	Third	GUI .NET	16-01-2021	Absent
	14	GPA004	Third	GUI .NET	16-01-2021	Absent
	15	GPA004	Third	GUI .NET	16-01-2021	Present
	16	GPA005	Third	GUI .NET	16-01-2021	Present
	17	GPA005	Third	GUI .NET	16-01-2021	Present
*						

Fig. 13.1 Attendance Form

TakeAttendanceFrm

MainMenu AddStudent EditStudent GetReport

Semester: Third Subject: GUI .NET Date: 16 January 2021

RollNo: GPA005 Status: Present

Clear Save

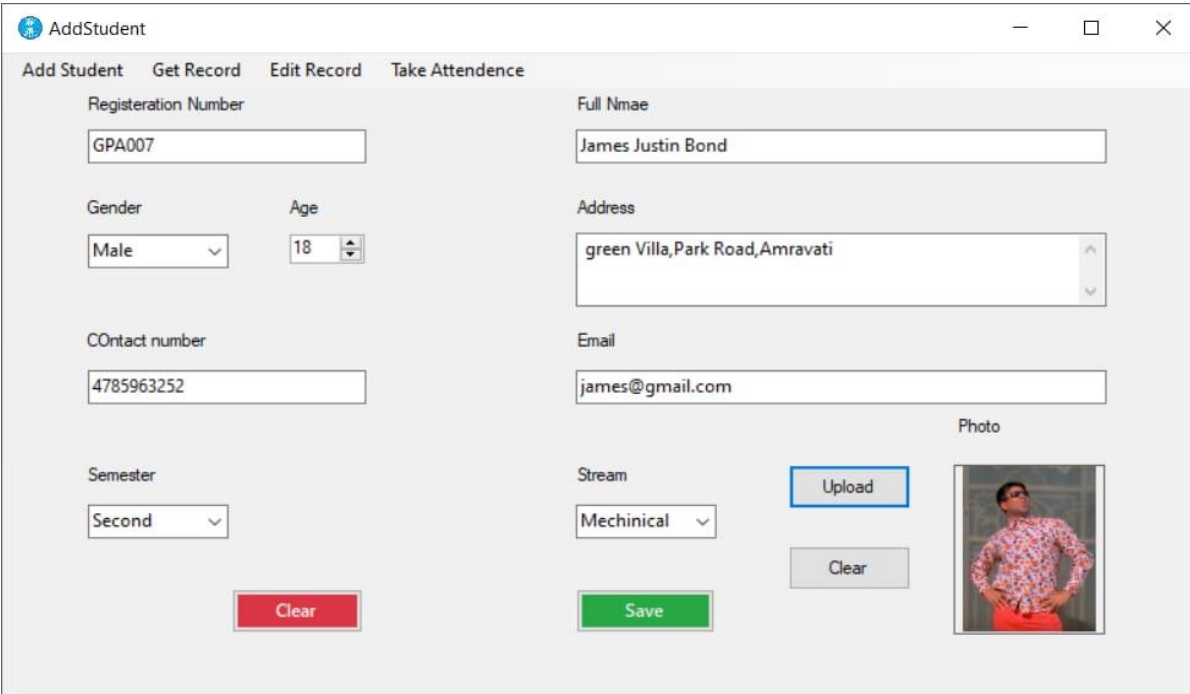
	Id	StudentRoll	Sem	Subject	Date	Status
▶	11	GPA001	Third	GUI .NET	16-01-2021	Present
	12	GPA002	Third	GUI .NET	16-01-2021	Present
				GUI .NET	16-01-2021	Absent
				GUI .NET	16-01-2021	Absent
				GUI .NET	16-01-2021	Present
				GUI .NET	16-01-2021	Present
				GUI .NET	16-01-2021	Present
				GUI .NET	16-01-2021	Present
*						

StudentAttendanceSystem

! Student Alraady Attended!!

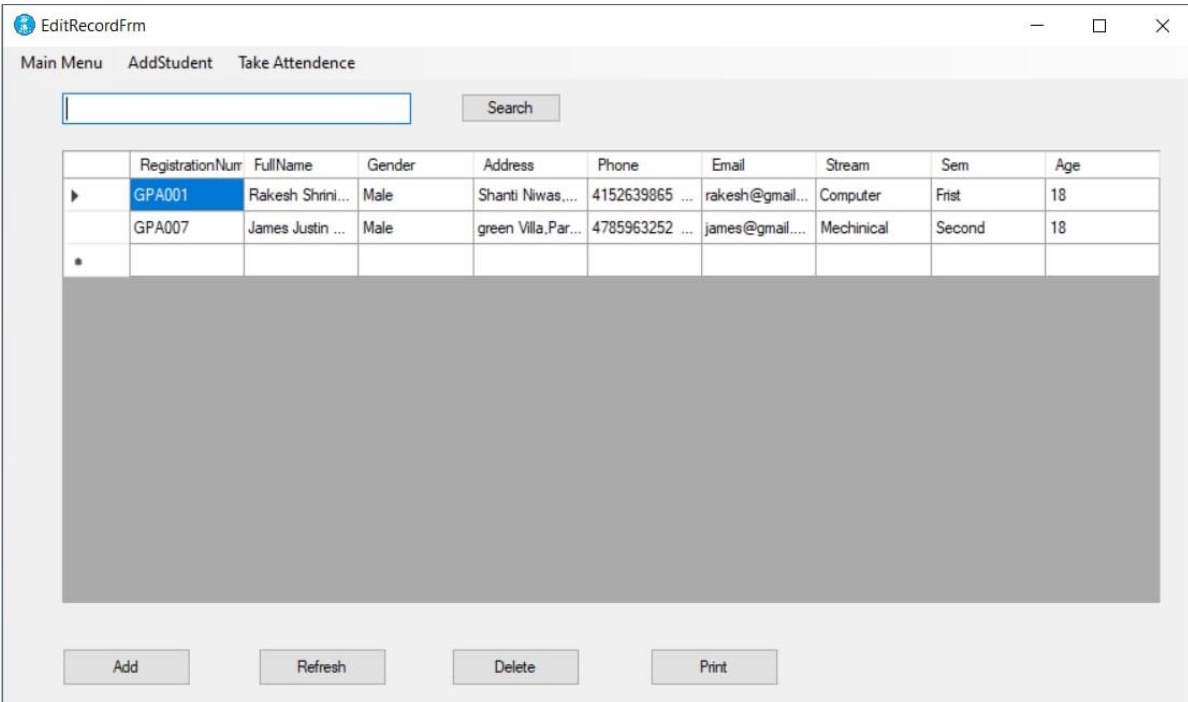
OK

Fig. 13.2 Attendance Form



The AddStudent form window has a title bar with a minimize, maximize, and close button. Below the title bar is a menu bar with four options: Add Student, Get Record, Edit Record, and Take Attendance. The form is divided into two columns. The left column contains fields for Registration Number (GPA007), Gender (Male), Age (18), Contact number (4785963252), Semester (Second), and a red Clear button. The right column contains fields for Full Name (James Justin Bond), Address (green Villa, Park Road, Amravati), Email (james@gmail.com), Stream (Mechanical), and a green Save button. There is also a blue Upload button and a grey Clear button. A photo of a man in a red shirt is displayed on the right side of the form.

Fig. 14.1 Add Student Form



The EditRecordFrm window has a title bar with a minimize, maximize, and close button. Below the title bar is a menu bar with three options: Main Menu, AddStudent, and Take Attendance. The window contains a search bar with a Search button. Below the search bar is a table with the following data:

	RegistrationNurr	Full Name	Gender	Address	Phone	Email	Stream	Sem	Age
▶	GPA001	Rakesh Shrini...	Male	Shanti Niwas,...	4152639865 ...	rakesh@gmail...	Computer	Frist	18
	GPA007	James Justin ...	Male	green Villa, Par...	4785963252 ...	james@gmail....	Mechinical	Second	18
*									

Below the table is a large grey rectangular area. At the bottom of the window are four buttons: Add, Refresh, Delete, and Print.

Fig. 14.2 Add Student Form

GetReportFrm

Main Menu Take Attendance Add Student

Enter Roll

**GetRecord** **DeleteRec.**

	Id	StudentRoll	Sem	Subject	Date	Status
▶	11	GPA001	Third	... GUI .NET	16-01-2021	Present
	12	GPA002	Third	... GUI .NET	16-01-2021	Present
	13	GPA003	Third	... GUI .NET	16-01-2021	Absent
	14	GPA004	Third	... GUI .NET	16-01-2021	Absent
	15	GPA004	Third	... GUI .NET	16-01-2021	Present
	16	GPA005	Third	... GUI .NET	16-01-2021	Present
	17	GPA005	Third	... GUI .NET	16-01-2021	Present
	18	GPA005	Third	... GUI .NET	16-01-2021	Present
•						

Fig. 15.1 Get Record Form

GetReportFrm

Main Menu Take Attendance Add Student

Enter Roll

GPA005 **GetRecord** **DeleteRec.**

	Id	StudentRoll	Sem	Subject	Date	Status
▶	16	GPA005	Third	... GUI .NET	16-01-2021	Present
	17	GPA005	Third	... GUI .NET	16-01-2021	Present
	18	GPA005	Third	... GUI .NET	16-01-2021	Present
•						

Fig. 15.2 Get Record Form

## CONCLUSION

Thus, Student Attendance System using VB.NET deals with the maintenance of students' attendance details. Student Attendance System is software developed for daily student attendance in schools, colleges and institutes. As far as today's technology is concerned all these things can be very efficiently managed. Student Attendance System is very functional in order to manage various departments within the college.

It reduce the paper work by the optimum use of computing, provide secured authentications to users, view all student through dates, search particular students' attendance, generate the report automatically at the end of the session or in the between of the session and also add the new student in the database.

Student Attendance System is a software interface that is easy to use. It is friendly to the user, meaning it is not difficult to learn or understand.

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