CHAPTER -1
INTRODUCTION

1.1 INTRODUCTION:

The College Internal Assessment system has developed to override the problem prevailing in the practicing in the manual system. This software is supported to eliminate and in some cases reduces the hardships faced by this existing system. Moreover, this system is designed for the particular need of student to carry out operation in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering the invalid data. No formal knowledge is needed to use this system. Thus, by this all it proves it is user-friendly. This system, has described above can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus, it will help organization in better utilization of resource.

This system is computerized and to fulfill their study requirements so, that their valuable information can be stored for a longer period with easy accessing and manipulating of the same. The required software and hardware are easily available and easy to work with. This system can lead to error free, secure, reliable and fast management system. Therefore, we design exclusive College Internal Assessment system that are track information regarding to studies. Our systems come with Remote access features, which provides the facilities based on various factors such as Subject, Reference book, Syllabus, IA marks. This system can be accessed easily at anytime and anywhere.

1.2 STATEMENT OF PROBLEM:

We observed the College Internal Assessment system going through it, we get to know that there are many operations, which they have to do manually. It takes a lot of time and causing many challenges like syllabus, text book, updating AI marks, etc. required more man power and there is some set of procedure to do managerial requirements. Due to this, user need to waste a lot of time and physical effort in finding the text books, previous year question papers, and no proper information is provided to the user regarding the subjects. To solve the above problem, and further maintaining records for students and faculty, this system maintains the records.

1.3 OBJECTIVE OF THE STUDY:

The main aim of the project is to allow the student to fetch the details regarding studies and also keep up to date his profile. It'll also facilitate keeping all the records of students, such as their id, name, mailing address, phone number, DOB etc. So, all the information about a student will be available in a few seconds. It allows the administrator of any organization to edit and find out the personal details of a student.

Overall, it'll make information management an easier job for the administrator and the student of any organization. This project will fulfill the changing user requirements. The user needs to login with a valid password, after a valid, user logs he/she can login.

1.4 SCOPE OF THE STUDY:

The intention of developing **"College Internal Assessment"** application is aimed to computerizing and developed system was found to work out the operations effectively. This software takes care of all the requirements of a students and faculty to provide easy and effective storage of information related to studies. Reports automatically at the end of the session or in the between of the session as they require. This application involves almost all the features of the information system; the future implementation will be online help for the users to obtain information.

This system provides access to the student's record and get the desired information which may require. It maintains the records of Student records, Student Details, Internal Marks, Reference Book details, etc. It makes the student information management more secure, effective, convenient and accessible. It co-ordinate information across the system to simplify student across to University resources.

Overall, it'll make information management an easier job for the administrator and the student of any organization. This project will fulfill the changing user requirements. The user needs to login with a valid password, after a valid, user logs he/she can login.

1.5 FEASIBILITYSTUDY:

To develop a project it may pose as challenge if you are not equipped with proper information. The system has several aspects that you need to focus on and study if you want your efforts so yield results; i.e. knowledge of internet, resources, finance.

Eventually, the plan to establish a College Internal Assessment is not just for the proponent's benefits and pleasure hat for the goodness of the society because it adds choices to people. Students are a part of our landscape and part of our weekly schedules. They have study textbooks and gather the information in less time, and increased the range of syllabus to study, and considerably reduced the time we spend in search of textbooks.

Feasibility Studies are:

- Technical feasibility
- Operational feasibility
- Financial feasibility

1.5.1 Technical Feasibility:

Technological Feasibility is carried out to determine whether the Planning has the capability in terms of software, hardware, personnel and expertise, to handle the completion of the project.

In developing this Application the only software used been described in section 4.2 and the Hardware requirements in section

4.1. The project development needed the man power with the following skill:

Basic knowledge of MYSQL Database.

1.5.2. Operational Feasibility:

Operational feasibility is a means of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

Here, the System working is quite easy to use and learn due to its simple but attractive Interface.

1.5.3 Financial Feasibility:

Financial analysis is the most frequently used method for evaluating the effectiveness of a new system. More commonly known as cost/benefit analysis, the procedure is to determine the benefits and sayings that are expected from a user system and compare them with costs.

It benefits outweigh costs, then the decision is made to design and implement the system. The current system uses the most available software with less man power for developing.

CHAPTER -2
SYSTEM STUDY

2.1 EXISTING SYSTEM:

- As the strength of the students is increasing at a tremendous speed, maintenance of study materials is very difficult.
- Need for online study materials is inevitable.
- In case of manual system, they need a lot of time, manpower, etc.
- Finding out details regarding any information is very difficult as the user has to go through all the books manually.
- Major problem was losing of the data.
- Information overload.
- The old system of filing is not portable.
- Accessibility issues experienced by a user or administrator.
- The existing system is paper based and manpower requirement is more.
- Existing system is not very economical for these markets.
- Relevant and irrelevant information are entered and stored in the same place, which is very clumsy and untidy process.
- The data entry, storing and retrieval procedure is very inefficient.
- There are chances of data misplacement and wrong data entry.
- The system is very insecure and inflexible to adapt to user requirements.

2.2 LIMITATIONS OF EXISTING SYSTEM:

- Not user friendly: The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently.
- Time consuming: Every work is done manually so we cannot generate report in the middle of the session or as per the requirement because it is very time consuming.

- Lack of security of data.
- Slow response about refunding amount.
- Low quality customer service.
- No direct role for the higher officials.
- Troll fee is not available for customer enquire.
- Needs manual calculations.
- More man power.
- Time consuming.
- Consume large volume of paper.
- Needs manual calculation.
- Manual system faces a lot of inefficiency.

2.3 PROPOSED SYSTEM:

The aim of the proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work and it is very simple in design and to implement. The system requires very low system resources and the system will work in almost all configurations.

It has got following features:

- Needs a lot of working staff and extra attention on all the records.
- Ensure data accuracy.
- Data security.
- Records are efficiently maintained by DBMS.
- DBMS also provides security for the information.
- Proper control of the higher officials.
- Greater efficiency.
- Minimum time needed for the various processing.
- Better service.
- User friendliness and interactive.
- Minimize manual data entry.
- Minimum time required.

2.4 ADVANTAGES OF PROPOSED SYSTEM:

- User friendly: The proposed system is user friendly because the retrieval and storing of data is fast and data is maintained efficiently. Moreover, the graphical user interface is provided in the proposed system, which provides user to deal with the system very easily.

- Very less paper work : The proposed system requires very less paper work. All the records of each fields is fetched into the computer immediately and reports can be generated through computers. Moreover, hardware copy will be reduced.

- Computer operator control: The computer operator control will be there so no chance of errors. Moreover, storing and retrieving of information is easy. So, work can be done speedily and in time.

2.5 PROBLEM FORMULATION:

In the existing system it was very difficult to maintain the information and to store each record of each customer, various details process and very difficult to access the information which was stored manually. So, to overcome this problem of existing system, this proposed system is aimed at reducing paper work for the industry and hence improving its efficiency and speeding up of all processes. The database can be accessed by the users from any computer terminal connected through LAN to a server where the system has been installed. To generate the reports reduces the time by various options and also the development of the design has well equipped. Hence, all the related information about a customer is available to Admin and Employees. Thus, this software saves the customer time.

2.6 SYSTEM ANALYSIS:

2.6.1 Functional - Requirements:

- Requirement analysis is a software engineering task that bridges the gap between system level software allocation and software design.
- It enables the system engineer to specify software interface with other system elements, and establish design constraints that the software must meet.
- It provides the software designs with a representation of information and function that can be translate to data, architectural and procedural design.

2.6.2 System functionalities:

College Internal Assessment that were suggested till now, are not up to the desired level. There is no single system which automates all the process.

- In order to build the system, all the processes in the business should be studied, System study helps us under the problem and needs of the application.
- System study aims at establishing requests for the system to be acquired, development and installed. It involves studying and analyzing the ways of an organization currently processing the data to produce information.
- Analyzing the problem thoroughly forms the vital part of the system study. In system analysis, prevailing situation of problem is carefully examined by breaking them into sub problems. Problematic areas are identified and information is collected.
- Data gathering is essential to any analysis of requests. It is necessary that this analysis familiarizes the designer with objectives, activities and the function of the organization in which the system is to be implemented.

2.6.3 Non-Functional Requirements:

- Security:

Project level security is set. User needs to login when they start the program option is also provided to create the additional user and level security. Presently user level security is not set but can be implemented with few modifications.

- Reliability , Availability , Maintainability:

It is very user friendly, software is secure and there is not much maintenance. Project can be upgraded as per the requirement step by step.

- Configuration and Compatibility:

Describes requirements such as those connected with individual customization or operation in specific competing environments.

- Usability:

Describes items that will ensure the user friendliness of the software.

Example :- Includes error messages that direct the user to a solution, input range checking as soon as entries are made and order of choices and screen corresponding to user performances.

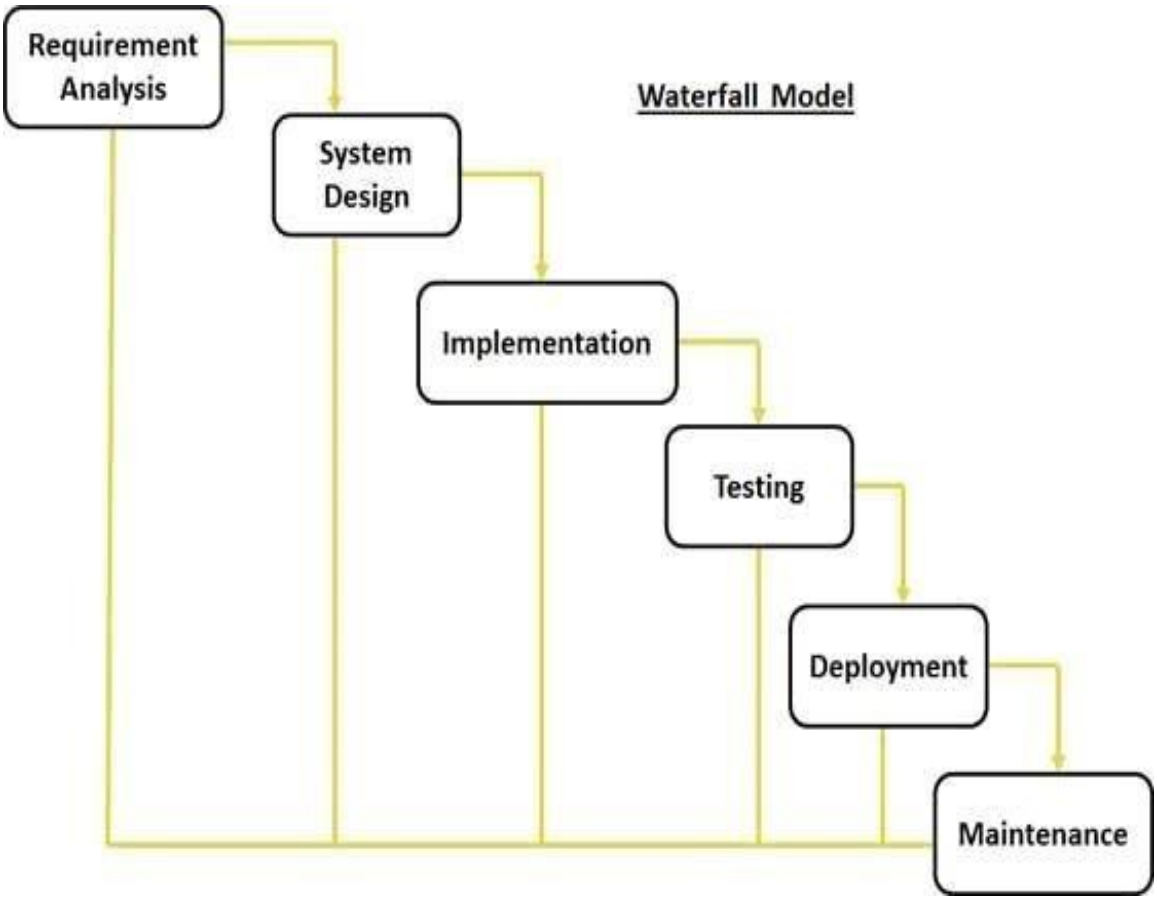
2.7 METHODOLOGY:

This project is designed and developed based on the waterfall model. This model particularly expresses the interaction between subsequent phases. In each phase of the software development process, we have to compare results obtained against that which is required. In all quality has to be assessed and controlled.

Waterfall approach was first SDLC Model to be used widely in Software Engineering to ensure success of the project. In "The Waterfall" approach, the whole process of software development is divided into separate phases.

- Main following is a diagrammatic representation of different phases of waterfall model.

WATERFALL MODEL



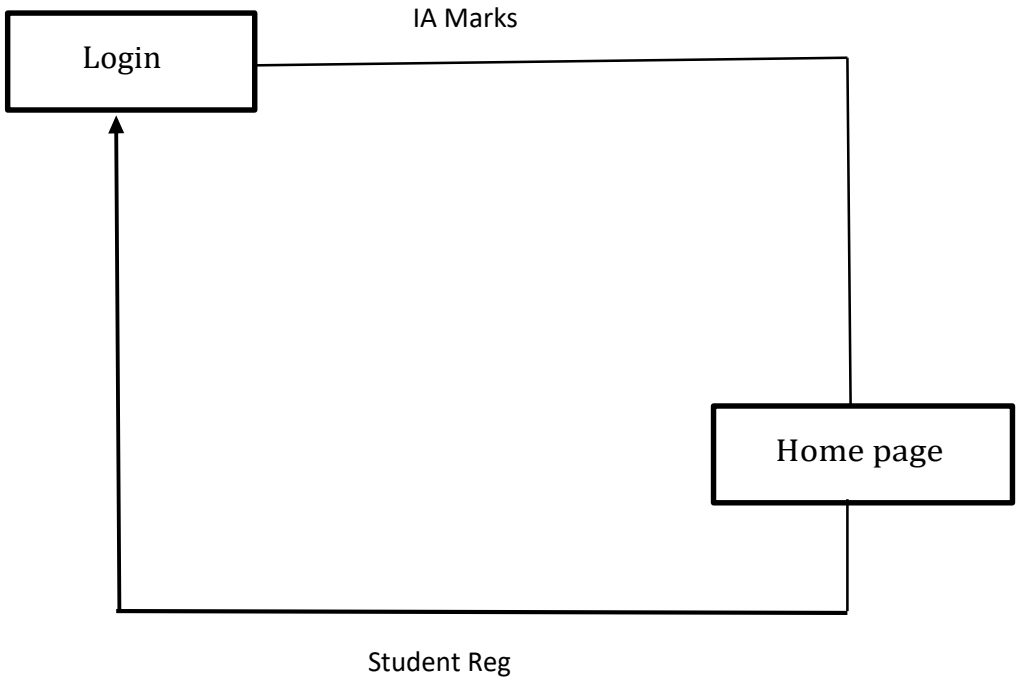
- The requirements specification of the project has collected with equipped manner.
- The project has designed with html pages to develop by using various commands.
- Implementation can be done with the basis of design and conceptual data with codes and scripts.
- Testing plays a important role to the process of verification & validation.
- Development is done implement for future references.

CHAPTER – 3

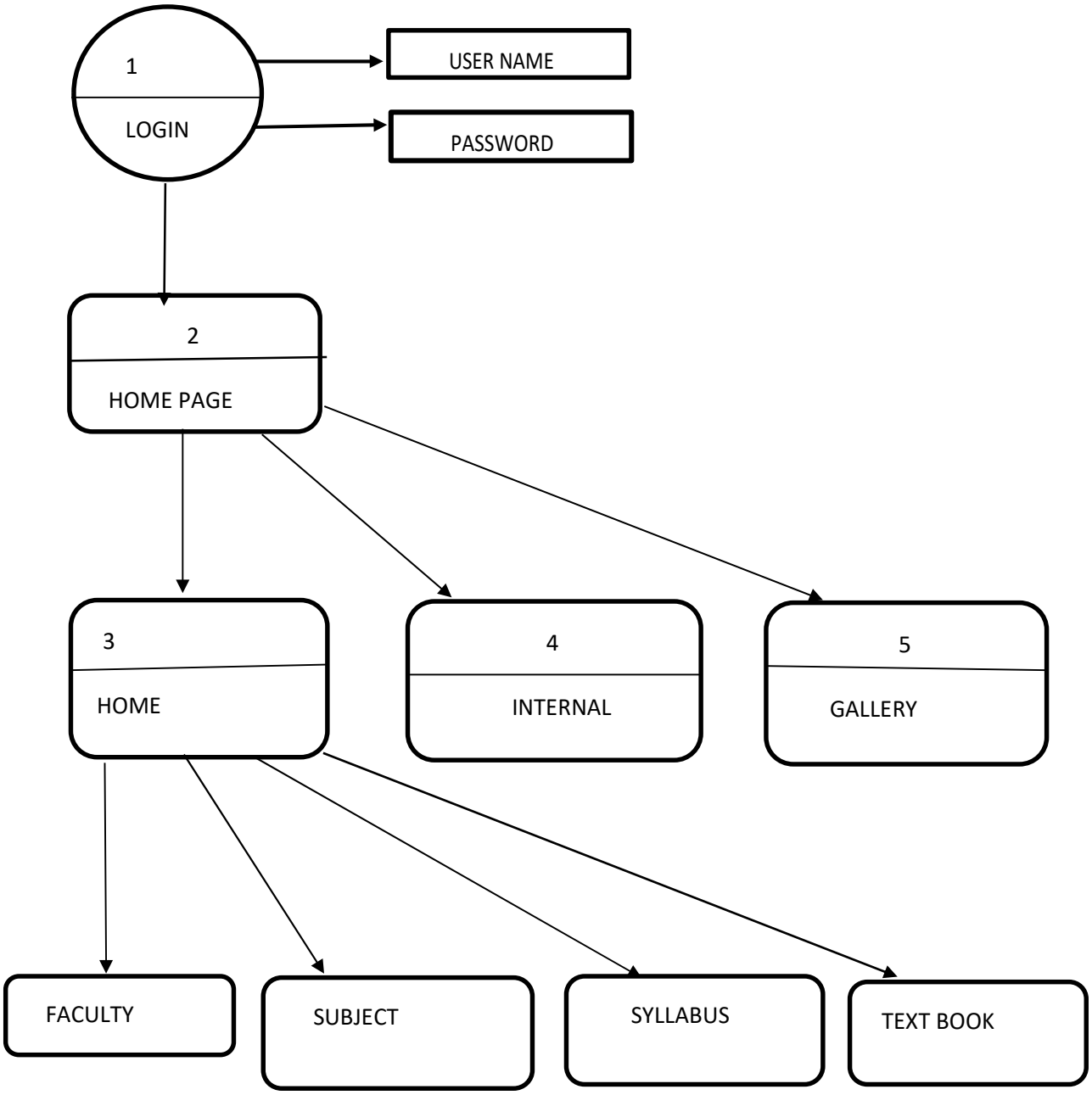
SYSTEM DESIGN AND DEVELOPMENT

3.1 DATA FLOW DIAGRAM:

3.1.1 DFD LEVEL 0



3.1.2 DFD Level 1



3.2 E-R DIAGRAM

CHAPTER - 4

SYSTEM IMPLEMENTATION

4.1 DATA BASE DESIGN:

LOGIN :

Field	Type	Null	Key	Default	Extra
UNAME	VARCHAR (10)	YES		NULL	
PWD	VARCHAR (10)	YES		NULL	
UNAME	VARCHAR (10)	YES		NULL	
PWD	VARCHAR (10)	YES		NULL	

STUDENT REGISTRATION :

Field	Type	Null	Key	Default	Extra
SID	VARCHAR (10)	YES		NULL	
NAME	VARCHAR (50)	YES		NULL	
MOB	INT(11)	YES		NULL	
EMAIL	VARCHAR (30)	YES		NULL	
ADDRESS	VARCHAR (50)	YES		NULL	
COURSE	VARCHAR (10)	YES		NULL	
SEM	VARCHAR (5)	YES		NULL	
GENDER	VARCHAR (20)	YES		NULL	

FACULTY REGISTRATION :

Field	Type	Null	Key	Default	Extra
FID	VARCHAR (10)	YES		NULL	
FNAME	VARCHAR (40)	YES		NULL	
DEPT	VARCHAR (40)	YES		NULL	
MOB	INT(11)	YES		NULL	
EMAIL	VARCHAR (30)	YES		NULL	

SUBJECT :

Field	Type	Null	Key	Default	Extra
AD_YR	VARCHAR (10)	YES		NULL	
COURSE	VARCHAR (10)	YES		NULL	
SEM	VARCHAR (5)	YES		NULL	
SNAME	VARCHAR (40)	YES		NULL	
SCODE	VARCHAR (20)	YES		NULL	
FAC	VARCHAR (50)	YES		NULL	
DEPT	VARCHAR (30)	YES		NULL	

SYLLABUS :

Field	Type	Null	Key	Default	Extra
SID	VARCHAR (10)	YES		NULL	
COURSE	VARCHAR (10)	YES		NULL	
SEM	VARCHAR (5)	YES		NULL	
SUBJECT	VARCHAR (30)	YES		NULL	
SLINK	VARCHAR (60)	YES		NULL	

TEXT BOOK :

Field	Type	Null	Key	Default	Extra
TID	VARCHAR (10)	YES		NULL	
TNAME	VARCHAR (30)	YES		NULL	
COURSE	VARCHAR (10)	YES		NULL	
SEM	VARCHAR (5)	YES		NULL	
SUB	VARCHAR (40)	YES		NULL	
UFILE	VARCHAR (50)	YES		NULL	

INTERNAL ASSESSMENT MARKS :

Field	Type	Null	Key	Default	Extra
ACADYR	INT(11)	YES		NULL	
COURSE	VARCHAR (20)	YES		NULL	
SEM	VARCHAR (5)	YES		NULL	
NAME	VARCHAR (50)	YES		NULL	
SUBJECT	VARCHAR (40)	YES		NULL	
MARKS	INT(11)	YES		NULL	

4.2 CODING:

MODULE :

```
Imports MySql.Data.MySqlClient
Module Module1
Public con As ADODB.Connection
Public rs As ADODB.Recordset
Public Function con_open()
con = New ADODB.Connection
con.Open("Dsn=supermarket;port=3306;username=root;password=mysql")
MsgBox("connection success")
Exit Function
MsgBox("connection failed")
End Function
Public Function rec_open(sql)
rs = New ADODB.Recordset
rs.Open(sql, con, ADODB.CursorTypeEnum.adOpenDynamic, ADODB.LockTypeEnum.adLockOptimistic)
Return rs
End Function
End Module
```

LOGIN :

```
Public Class Form1
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
con_open()
TextBox1.Text = ""
 TextBox2.Text = ""
 End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
   Dim uname, pwd As String
    Dim flag As Boolean
   uname = TextBox1.Text
   pwd = TextBox2.Text
   rec_open("select uname,pwd from login")
   While Not rs.EOF
   If (uname = rs(0).Value And pwd = rs(1).Value) Then
     flag = True
   End If
   rs.MoveNext()
   End While
   If flag Then
   MsgBox("valid user")
```

```
    Me.Hide()

    Homepage.Show()

    Else

    MsgBox("invalid user")

    Me.Hide()

    register.Show()

    End If

    End Sub


    End Class
```

STUDENT REGISTRATION FORM :

```
Imports MySql.Data.MySqlClient
Imports Microsoft.VisualBasic.ApplicationServices
Imports Microsoft.Win32
Public Class register
Dim sqlConn As New MySqlConnection
 Dim sqlCmd As New MySqlCommand
Dim sqlRd As MySqlDataReader
Dim table As New DataTable()
Private bitmap As Bitmap

Private Sub register_Load(sender As Object, e As EventArgs) Handles MyBase.Load
con_open()
UpdateTable()
End Sub
Protected Sub UpdateTable()
Dim table1 As New DataTable()
        Dim connection As New
MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
Dim adapter As New MySqlDataAdapter("select * from e_learning.register", connection)
adapter.Fill(table)
adapter.Fill(table1)
DataGridView1.DataSource = table
DataGridView1.DataSource = table1
End Sub

Private Sub Btnadd_Click(sender As Object, e As EventArgs) Handles Btnadd.Click
Dim gender As String
If RadioButton1.Checked = True Then
 gender = RadioButton1.Text
ElseIf RadioButton2.Checked = True Then
   gender = RadioButton2.Text
Else
 gender = RadioButton3.Text
End If
        If Textsid.Text = "" Or Textname.Text = "" Or Textmob.Text = "" Or Textemail.Text = "" Or
 Textaddress.Text = "" Or ComboBox1.Text = "" Then
MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form Registration")
Exit Sub
 Else
 rec_open("insert into register values('" & Textsid.Text & "','" & Textname.Text & "','" & Textmob.Text &
```

```
"','" & Textemail.Text & "','" & Textaddress.Text & "','" & ComboBox1.Text & "','" & ComboBox2.Text & "','"
& gender & "')")
MsgBox("Data Inserted Successfully!!", vbOKOnly, "Status Update")
UpdateTable()
 End If
 End Sub

 Private Sub Btnupdate_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click
 Dim gender As String
 If RadioButton1.Checked = True Then
  gender = RadioButton1.Text
 ElseIf RadioButton2.Checked = True Then
   gender = RadioButton2.Text
 Else
    gender = RadioButton3.Text
 End If
        If Textsid.Text = "" Or Textname.Text = "" Or Textmob.Text = "" Or Textemail.Text = "" Or
  Textaddress.Text = "" Or ComboBox1.Text = "" Then
 MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form Registration")
 Exit Sub
 Else
          rec_open("update register set name='" & Textname.Text & "',mob='" & Textmob.Text & "',email='"
  & Textemail.Text & "',address='" & Textaddress.Text & "',course='" & ComboBox1.Text & "',gender='" &
  gender & "' where sid= '" & Textsid.Text & "'")
 MsgBox("Data Updated Successfully!!", vbOKOnly, "Status Update")
 UpdateTable()
 End If

End Sub

Private Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click
        If Textsid.Text = "" Or Textname.Text = "" Or Textmob.Text = "" Or Textemail.Text = "" Or
   Textaddress.Text = "" Or ComboBox1.Text = "" Then
 MsgBox("Select A Row from Gridview and then Click on Delete !! ", vbOKOnly, "Form Registration")
 Exit Sub
 Else
 rec_open("delete from register where sid= '" & Textsid.Text & "'")
 MsgBox("Data Deleted Successfully!!", vbOKOnly, "Status Update")
 UpdateTable()
 End If

End Sub

Private Sub Btnreset_Click(sender As Object, e As EventArgs) Handles Btnreset.Click
 Textsid.Text = ""
```

```
    Textname.Text = ""
    Textmob.Text = ""
    Textemail.Text = ""
    ComboBox1.Text = "Select"
    Textaddress.Text = ""
    RadioButton1.Checked = False
    RadioButton2.Checked = False
    RadioButton3.Checked = False

End Sub

Private Sub Btnprint_Click(sender As Object, e As EventArgs) Handles Btnprint.Click
    Dim height As Integer = DataGridView1.Height
    DataGridView1.Height = DataGridView1.RowCount * DataGridView1.RowTemplate.Height
    bitmap = New Bitmap(Me.DataGridView1.Height, Me.DataGridView1.Width)
            DataGridView1.DrawToBitmap(bitmap, New Rectangle(0, 0, Me.DataGridView1.Height,
        Me.DataGridView1.Width))
    PrintPreviewDialog1.Document = PrintDocument1
    PrintPreviewDialog1.PrintPreviewControl.Zoom = 1
    PrintPreviewDialog1.ShowDialog()
    DataGridView1.Height = height

End Sub

Private Sub PrintDocument1_PrintPage(sender As Object, e As Printing.PrintPageEventArgs) Handles
PrintDocument1.PrintPage
    e.Graphics.DrawImage(bitmap, 0, 0)
    Dim recP As RectangleF = e.PageSettings.PrintableArea
    If Me.DataGridView1.Height - recP.Height > 0 Then e.HasMorePages = True
End Sub

Private Sub DataGridView1_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles
DataGridView1.CellClick
    Dim gender As String
    Try
        If e.RowIndex >= 0 Then
            Dim row As DataGridViewRow
            row = Me.DataGridView1.Rows(e.RowIndex)
            'GlobalVariables.SelectedlineItemRowNo = e.RowIndex ' Or row
            'MsgBox("GlobalVariables.SelectedlineItemRowNo is ---> " & GlobalVariables.SelectedlineItemRowNo)
            Textsid.Text = row.Cells("sid").Value.ToString()
            Textname.Text = row.Cells("name").Value.ToString()
            Textmob.Text = row.Cells("mob").Value.ToString()
            Textemail.Text = row.Cells("email").Value.ToString()
            Textaddress.Text = row.Cells("address").Value.ToString()
```

```
            ComboBox1.Text = row.Cells("course").Value.ToString()
            gender = row.Cells("gender").Value.ToString()
            If gender = "MALE" Then
               RadioButton1.Checked = True
            ElseIf gender = "FEMALE" Then
               RadioButton2.Checked = True
            Else
               RadioButton3.Checked = True
            End If
            'textboxTst.Text = row.Cells("Description").Value.ToString
          End If
           Catch ex As Exception
          MsgBox(ex.Message)
            End Try
             End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
       Me.Hide()
       Homepage.Show()
    End Sub
End Class
```

HOME PAGE :

```
Public Class Homepage

    Private Sub SyllabusToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
SyllabusToolStripMenuItem.Click

        Me.Hide()

        Syllabus.Show()

    End Sub


    Private Sub FacultyToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
FacultyToolStripMenuItem.Click

        Me.Hide()

        faculty.Show()

    End Sub


    Private Sub NEWMarksToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
NEWMarksToolStripMenuItem.Click

        Me.Hide()

        AI_MARKS.Show()

    End Sub


    Private Sub UpdateMarksToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
UpdateMarksToolStripMenuItem.Click

        Me.Hide()
```

```
        Form2.Show()
    End Sub

    Private Sub SubjectToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
SubjectToolStripMenuItem.Click
        Me.Hide()
        subject.Show()
    End Sub

    Private Sub AboutUsToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
AboutUsToolStripMenuItem.Click
        Me.Hide()
        Aboutus.Show()
    End Sub

    Private Sub GalleryToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
GalleryToolStripMenuItem.Click

        Gallery.Show()
    End Sub

    Private Sub Homepage_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        Timer1.Start()
    End Sub

    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
```

```
    If PictureBox1.Visible = True Then
       PictureBox1.Visible = False
       PictureBox2.Visible = True
    ElseIf PictureBox2.Visible = True Then
       PictureBox2.Visible = False
       PictureBox3.Visible = True
    ElseIf PictureBox3.Visible = True Then
       PictureBox3.Visible = False
       PictureBox4.Visible = True
    ElseIf PictureBox4.Visible = True Then
       PictureBox4.Visible = False
       PictureBox1.Visible = True
    End If
    If Label1.Left >= Me.Width Then
       Label1.Left = -100
    Else
       Label1.Left = Label1.Left + 20

    End If
    If Label2.Left >= Me.Width Then
       Label2.Left = -100
    Else
       Label2.Left = Label2.Left + 20
    End If
  End Sub
```

```
    Private Sub QuestionAndAnswerToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
QuestionAndAnswerToolStripMenuItem.Click

        Me.Hide()

        FAQs.Show()


    End Sub


    Private Sub HOMEToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
HOMEToolStripMenuItem.Click


    End Sub

End Class
```

FACULTY REGISTRATION :

```
Imports MySql.Data.MySqlClient
Imports Microsoft.VisualBasic.ApplicationServices
Imports Microsoft.Win32
Public Class faculty
Dim sqlConn As New MySqlConnection
Dim sqlCmd As New MySqlCommand
Dim sqlRd As MySqlDataReader
Dim table As New DataTable()
Private bitmap As Bitmap
Private Sub faculty_Load(sender As Object, e As EventArgs) Handles MyBase.Load
con_open()
UpdateTable()
End Sub
Protected Sub UpdateTable()
Dim table1 As New DataTable()
        Dim connection As New
MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
Dim adapter As New MySqlDataAdapter("select * from e_learning.faculty", connection)
adapter.Fill(table)
adapter.Fill(table1)
DataGridView1.DataSource = table
DataGridView1.DataSource = table1
```

```
    End Sub


    Private Sub Btnadd_Click(sender As Object, e As EventArgs) Handles Btnadd.Click

        If Textfid.Text = "" Or Textfname.Text = "" Or combodept.Text = "" Or Textmob.Text = "" Or
    Textemail.Text = "" Then

    MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form faculty")

    Exit Sub

  Else

     rec_open("insert into faculty values('" & Textfid.Text & "','" & Textfname.Text & "','" & Combodept.Text &
    "','" & Textmob.Text & "','" & Textemail.Text & "')")

    MsgBox("Data Inserted Successfully!!", vbOKOnly, "Status Update")

    UpdateTable()

  End If

End Sub


Private Sub Btnupdate_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click

        If Textfid.Text = "" Or Textfname.Text = "" Or combodept.Text = "" Or Textmob.Text = "" Or
    Textemail.Text = "" Then

    MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form Registration")

    Exit Sub

  Else

        rec_open("update faculty set fname='" & Textfname.Text & "',dept='" & Combodept.Text &
    "',mob='" & Textmob.Text & "',email='" & Textemail.Text & "' where fid = '" & Textfid.Text & "' ")

    MsgBox("Data updated Successfully!!", vbOKOnly, "Status Update")

    UpdateTable()

  End If
```

```
End Sub


Private Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click

        If Textfid.Text = "" Or Textfname.Text = "" Or Combodept.Text = "" Or Textmob.Text = "" Or
    Textemail.Text = "" Then

    MsgBox("Select A Row from Gridview and then Click on Delete !! ", vbOKOnly, "Form Registration")

    Exit Sub

  Else

    rec_open("delete from faculty where fid= '" & Textfid.Text & "'")

    MsgBox("Data Deleted Successfully!!", vbOKOnly, "Status Update")

    UpdateTable()

  End If

End Sub

    Private Sub DataGridView1_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles
    DataGridView1.CellClick

  Try

    If e.RowIndex >= 0 Then

      Dim row As DataGridViewRow

      row = Me.DataGridView1.Rows(e.RowIndex)

      'GlobalVariables.SelectedlineItemRowNo = e.RowIndex ' Or row

      'MsgBox("GlobalVariables.SelectedlineItemRowNo is ---> " & GlobalVariables.SelectedlineItemRowNo)

      Textfid.Text = row.Cells("fid").Value.ToString()

      Textfname.Text = row.Cells("fname").Value.ToString()

      Combodept.Text = row.Cells("dept").Value.ToString()

      Textmob.Text = row.Cells("mob").Value.ToString()
```

```
            Textemail.Text = row.Cells("email").Value.ToString()
        End If
         Catch ex As Exception
        MsgBox(ex.Message)
         End Try
    End Sub

    Private Sub Btnreset_Click(sender As Object, e As EventArgs) Handles Btnreset.Click
        Textfid.Text = ""
        Textfname.Text = ""
        Combodept.Text = "Select"
        Textmob.Text = ""
        Textemail.Text = ""
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Hide()
        Homepage.Show()
    End Sub
End Class
```

SUBJECT :

```
Imports MySql.Data.MySqlClient
Imports Microsoft.VisualBasic.ApplicationServices
Imports Microsoft.Win32
Public Class subject
    Dim sqlConn As New MySqlConnection
    Dim sqlCmd As New MySqlCommand
    Dim sqlRd As MySqlDataReader
    Dim table As New DataTable()
    Private bitmap As Bitmap
    Protected Sub UpdateTable()
        Dim table1 As New DataTable()
        Dim connection As New
MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
        Dim adapter As New MySqlDataAdapter("select * from e_learning.subject", connection)
        adapter.Fill(table)
        adapter.Fill(table1)
        DataGridView1.DataSource = table
        DataGridView1.DataSource = table1
    End Sub
    Private Sub subject_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        con_open()
        UpdateTable()
```

```
    End Sub


    Private Sub Combodepart_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
Combodept.SelectedIndexChanged

        Combofac.Items.Clear()

        rec_open("select fname from faculty where dept='" & Combodept.Text & "'")

        While Not rs.EOF

            Combofac.Items.Add(rs(0).Value)

            rs.MoveNext()

        End While

    End Sub


    Private Sub Btnupdate_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click

        If Comboyr.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Textsname.Text = "" Or
Textscode.Text = "" Or Combofac.Text = "" Or Combodept.Text = "" Then

            MsgBox("Select A Row from Gridview and then Click on Update !! ", vbOKOnly, "Form Registration")

            Exit Sub

        Else

            rec_open("update subject set ad_yr='" & Comboyr.Text & "',course='" & Combocourse.Text & "',sem='" &
Combosem.Text & "',sname='" & Textsname.Text & "',fac='" & Combofac.Text & "',dept='" & Combodept.Text &
"' where scode='" & Textscode.Text & "')")

            MsgBox("Data Updated Successfully!!", vbOKOnly, "Status Update")

            UpdateTable()

        End If

    End Sub
```

```
Private Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click

    If Comboyr.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Textsname.Text = "" Or Textscode.Text = "" Or Combofac.Text = "" Or Combodept.Text = "" Then

        MsgBox("Select A Row from Gridview and then Click on Delete !! ", vbOKOnly, "Form Registration")

        Exit Sub

    Else

        rec_open("delete from subject where scode= '" & Textscode.Text & "'")

        MsgBox("Data Deleted Successfully!!", vbOKOnly, "Status Update")

        UpdateTable()

    End If

End Sub


Private Sub Btnadd_Click(sender As Object, e As EventArgs) Handles Btnadd.Click

    If Comboyr.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Textsname.Text = "" Or Textscode.Text = "" Or Combofac.Text = "" Or Combodept.Text = "" Then

        MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form subject")

        Exit Sub

    Else

        rec_open("insert into subject values('" & Comboyr.Text & "','" & Combocourse.Text & "','" & Combosem.Text & "','" & Textsname.Text & "','" & Textscode.Text & "','" & Combofac.Text & "','" & Combodept.Text & "')")

        MsgBox("Data Inserted Successfully!!", vbOKOnly, "Status Update")


    End If

End Sub

Private Sub Btnreset_Click(sender As Object, e As EventArgs) Handles Btnreset.Click
```

```
        Comboyr.Text = "Select"
        Combocourse.Text = "Select"
        Combosem.Text = "Select"
        Textsname.Text = ""
        Textscode.Text = ""
        Combofac.Text = "Select"
        Combodept.Text = "Select"
    End Sub
    Private Sub DataGridView1_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles
DataGridView1.CellClick
        Try
            If e.RowIndex >= 0 Then
                Dim row As DataGridViewRow
                row = Me.DataGridView1.Rows(e.RowIndex)
                'GlobalVariables.SelectedlineItemRowNo = e.RowIndex ' Or row
                'MsgBox("GlobalVariables.SelectedlineItemRowNo is ---> " & GlobalVariables.SelectedlineItemRowNo)
                Comboyr.Text = row.Cells("ad_yr").Value.ToString()
                Combocourse.Text = row.Cells("course").Value.ToString()
                Combosem.Text = row.Cells("sem").Value.ToString()
                Textsname.Text = row.Cells("sname").Value.ToString()
                Textscode.Text = row.Cells("scode").Value.ToString()
                Combofac.Text = row.Cells("fac").Value.ToString()
                Combodept.Text = row.Cells("dept").Value.ToString()
            End If
        Catch ex As Exception
```

```
            MsgBox(ex.Message)
        End Try
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Hide()
        Homepage.Show()
    End Sub
End Class
```

SYLLABUS :

```
Imports MySql.Data.MySqlClient
Imports Microsoft.VisualBasic.ApplicationServices
    Imports Microsoft.Win32
Public Class Syllabus
  Dim connection As New MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
  'Dim sqlConn As New MySqlConnection
  Dim sqlCmd As New MySqlCommand
  Dim sqlRd As MySqlDataReader
  Dim table As New DataTable()
  Private bitmap As Bitmap
  Dim pathstring As String = "E:\project\project\vb\e_learning\Syallabus\"
  Dim cmd As MySqlCommand
  Dim da As MySqlDataAdapter
  Dim dt As DataTable
  Dim sql As String
  Private Sub Syllabus_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    con_open()
    rec_open("select distinct sname from subject")
    While Not rs.EOF
      Combosubject.Items.Add(rs(0).Value)
      rs.MoveNext()
    End While
```

```
    UpdateTable()
  End Sub
  Protected Sub UpdateTable()
    Dim table1 As New DataTable()
     Dim adapter As New MySqlDataAdapter("select * from e_learning.syllabus", connection)
    adapter.Fill(table)
    adapter.Fill(table1)
    DataGridView1.DataSource = table
    DataGridView1.DataSource = table1
  End Sub

  Private Sub Btnadd_Click(sender As Object, e As EventArgs) Handles Btnadd.Click
    If Textsid.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Combosubject.Text = "" Or
Textslink.Text = "" Then
      MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form syllabus")
      Exit Sub
    End If
    rec_open("insert into syllabus values('" & Textsid.Text & "','" & Combocourse.Text & "','" & Combosem.Text
& "','" & Combosubject.Text & "','" & System.IO.Path.GetFileName(Textslink.Text) & "')")
    MsgBox("Data Inserted Successfully!!", vbOKOnly, "Status Update")
    Textsid.Text = ""
    Combocourse.Text = "Select"
    Combosem.Text = "Select"
    Combosubject.Text = "Select"
    Textslink.Text = ""
```

```
    UpdateTable()
End Sub

Private Sub Btnupdate_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click
        If Textsid.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Combosubject.Text = "" Or
    Textslink.Text = "" Then
    MsgBox("Select A Row from Gridview and then Click on Update !! ", vbOKOnly, "Form Registration")
    Exit Sub
    End If
    rec_open("update syllabus set sid='" & Textsid.Text & "',course='" & Combocourse.Text & "',sem='" &
    Combosem.Text & "',subject='" & Combosubject.Text & "',slink'" & Textslink.Text & "")
    MsgBox("Data updated Successfully!!", vbOKOnly, "Status Update")
    UpdateTable()
    Textsid.Text = ""
    Combocourse.Text = "Select"
    Combosem.Text = "Select"
    Combosubject.Text = "Select"
    Textslink.Text = ""

End Sub

Private Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click
     If Textsid.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or Combosubject.Text = "" Or
    Textslink.Text = "" Then
    MsgBox("Select A Row from Gridview and then Click on Delete !! ", vbOKOnly, "Form Registration")
    Exit Sub
```

```
        Else
            rec_open("delete from syllabus where sid= '" & Textsid.Text & "'")
            MsgBox("Data Deleted Successfully!!", vbOKOnly, "Status Update")
            UpdateTable()
        End If
    End Sub

    Private Sub Btnreset_Click(sender As Object, e As EventArgs) Handles Btnreset.Click
        Textsid.Text = ""
        Combocourse.Text = "Select"
        Combosem.Text = "Select"
        Combosubject.Text = "Select"
        Textslink.Text = ""
    End Sub

    Private Sub DataGridView1_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles
DataGridView1.CellClick
        Try
            If e.RowIndex >= 0 Then
                Dim row As DataGridViewRow
                row = Me.DataGridView1.Rows(e.RowIndex)
                'GlobalVariables.SelectedlineItemRowNo = e.RowIndex ' Or row
                'MsgBox("GlobalVariables.SelectedlineItemRowNo is ---> " & GlobalVariables.SelectedlineItemRowNo)
                Textsid.Text = row.Cells("sid").Value.ToString()
                Combocourse.Text = row.Cells("course").Value.ToString()
```

```
            Combosem.Text = row.Cells("sem").Value.ToString()
            Combosubject.Text = row.Cells("subject").Value.ToString()
            Textslink.Text = row.Cells("slink").Value.ToString()
        End If
    Catch ex As Exception
        MsgBox(ex.Message)
    End Try
End Sub

Private Sub Btnupload_Click(sender As Object, e As EventArgs) Handles Btnupload.Click
    Try
        OpenFileDialog1.Filter = "PDF | .pdf;.docx;*.doc"
        If OpenFileDialog1.ShowDialog = DialogResult.OK Then
            Textslink.Text = OpenFileDialog1.FileName
        End If
    Catch ex As Exception
        MessageBox.Show(ex.Message)
    End Try
    Timer1.Start()
End Sub
Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
    ProgressBar1.Value += 1
    If ProgressBar1.Value = 100 Then
        Timer1.Stop()
        If Textslink.Text <> "" Then
```

```
            System.IO.File.Copy(Textslink.Text, pathstring & System.IO.Path.GetFileName(Textslink.Text))
        End If
        MessageBox.Show("Scanned File Updated Successfully !!")
        ProgressBar1.Value = 0
    End If
  End Sub

  Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    Me.Hide()
    Homepage.Show()
  End Sub
End Class
```

TEXT BOOK :

```
Imports MySql.Data.MySqlClient
Imports Microsoft.VisualBasic.ApplicationServices
Imports Microsoft.Win32
Public Class textbook
   Dim connection As New MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
   'Dim sqlConn As New MySqlConnection
   Dim sqlCmd As New MySqlCommand
   Dim sqlRd As MySqlDataReader
   Dim table As New DataTable()
   Private bitmap As Bitmap
   Dim pathstring As String = "E:\project\project\vb\e_learning\textbook\"
   Dim cmd As MySqlCommand
   Dim da As MySqlDataAdapter
   Dim dt As DataTable
   Dim sql As String
   Private Sub textbook_Load(sender As Object, e As EventArgs) Handles MyBase.Load
      con_open()
      rec_open("select distinct sname from subject")
      While Not rs.EOF
         Combosubject.Items.Add(rs(0).Value)
         rs.MoveNext()
      End While
      UpdateTable()
   End Sub
   Protected Sub UpdateTable()
      Dim table1 As New DataTable()
            Dim connection As New
         MySqlConnection("datasource=localhost;port=3306;username=root;password=root")
         Dim adapter As New MySqlDataAdapter("select * from e_learning.textbook", connection)
         adapter.Fill(table)
         adapter.Fill(table1)
         DataGridView1.DataSource = table
         DataGridView1.DataSource = table1

   End Sub

  Private Sub DataGridView1_CellClick(sender As Object, e As DataGridViewCellEventArgs) Handles
DataGridView1.CellClick
      Dim row As DataGridViewRow
      row = Me.DataGridView1.Rows(e.RowIndex)
```

```
        'GlobalVariables.SelectedlineItemRowNo = e.RowIndex ' Or row
        'MsgBox("GlobalVariables.SelectedlineItemRowNo is ---> " & GlobalVariables.SelectedlineItemRowNo)
        Texttid.Text = row.Cells("tid").Value.ToString()
        Texttname.Text = row.Cells("tname").Value.ToString()
        Combocourse.Text = row.Cells("course").Value.ToString()
        Combosem.Text = row.Cells("sem").Value.ToString()
        Combosubject.Text = row.Cells("sub").Value.ToString()
        Textufile.Text = row.Cells("ufile").Value.ToString()
    End Sub

    Private Sub Btnadd_Click(sender As Object, e As EventArgs) Handles Btnadd.Click
        If Texttid.Text = "" Or Texttname.Text = "" Or Combocourse.Text = "Select" Or Combosem.Text = "Select" Or
Combosubject.Text = "Select" Or Textufile.Text = "" Then
            MsgBox("Mandatory Fields!! Please fill it", vbOKOnly, "Form texbook")
            Exit Sub
        End If
        rec_open("insert into textbook values('" & Texttid.Text & "','" & Texttname.Text & "','" & Combocourse.Text
& "','" & Combosem.Text & "','" & Combosubject.Text & "','" & Textufile.Text & "')")
        MsgBox("Data Inserted Successfully!!", vbOKOnly, "Status Update")
        UpdateTable()
        Texttid.Text = ""
        Texttname.Text = ""
        Combocourse.Text = "Select"
        Combosem.Text = "Select"
        Combosubject.Text = "Select"
        Textufile.Text = ""
    End Sub

    Private Sub Btnupdate_Click(sender As Object, e As EventArgs) Handles Btnupdate.Click
        If Texttid.Text = "" Or Texttname.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "Select" Or
Combosubject.Text = "" Or Textufile.Text = "" Then
            MsgBox("Click a row from Gridview and update the value!!", vbOKOnly, "Form textbook")
            Exit Sub
        End If
        rec_open("update textbook set tname= '" & Texttname.Text & "',course='" & Combocourse.Text & "',sem='"
& Combosem.Text & "',sub='" & Combosubject.Text & "',ufile='" & Textufile.Text & "' where tid='" & Texttid.Text
& "'")
        MsgBox("Data updated Successfully!!", vbOKOnly, "Status Update")
        UpdateTable()
        Texttid.Text = ""
        Texttname.Text = ""
        Combocourse.Text = "Select"
        Combosem.Text = "Select"
        Combosubject.Text = "Select"
```

```
        Textufile.Text = ""

    End Sub

    Private Sub Btndelete_Click(sender As Object, e As EventArgs) Handles Btndelete.Click
        If Texttid.Text = "" Or Texttname.Text = "" Or Combocourse.Text = "" Or Combosem.Text = "" Or
Combosubject.Text = "" Or Textufile.Text = "" Then
            MsgBox("Select A Row from Gridview and then Click on Delete !! ", vbOKOnly, "Form Registration")
            Exit Sub
        Else
            rec_open("delete from textbook where tid='" & Texttid.Text & "'")
            MsgBox("Data Deleted Successfully!!", vbOKOnly, "Status Update")
            UpdateTable()
            Texttid.Text = ""
            Texttname.Text = ""
            Combocourse.Text = "Select"
            Combosem.Text = "Select"
            Combosubject.Text = "Select"
            Textufile.Text = ""
        End If
    End Sub

    Private Sub Btnreset_Click(sender As Object, e As EventArgs) Handles Btnreset.Click
        Texttid.Text = ""
        Texttname.Text = ""
        Combocourse.Text = "Select"
        Combosem.Text = "Select"
        Combosubject.Text = "Select"
        Textufile.Text = ""
    End Sub

    Private Sub Combosem_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
Combosem.SelectedIndexChanged
        Combosubject.Items.Clear()
        rec_open("select sname from subject where course='" & Combocourse.Text & "' and sem='" &
Combosem.Text & "'")
        While Not rs.EOF
            Combosubject.Items.Add(rs(0).Value)
            rs.MoveNext()
        End While
    End Sub

    Private Sub Combosubject_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
Combosubject.SelectedIndexChanged
```

```
    End Sub

    Private Sub btnupload_Click(sender As Object, e As EventArgs) Handles btnupload.Click
        Try
            OpenFileDialog1.Filter = "PDF | .pdf;.docx;*.doc"
            If OpenFileDialog1.ShowDialog = DialogResult.OK Then
                Textufile.Text = OpenFileDialog1.FileName
            End If
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
        Timer1.Start()
    End Sub

    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
        ProgressBar1.Value += 1
        If ProgressBar1.Value = 100 Then
            Timer1.Stop()
            If Textufile.Text <> "" Then
                System.IO.File.Copy(Textufile.Text, pathstring & System.IO.Path.GetFileName(Textufile.Text))
            End If
            MessageBox.Show("Scanned File Updated Successfully !!")
            ProgressBar1.Value = 0
        End If
    End Sub

    Private Sub ProgressBar2_Click(sender As Object, e As EventArgs)

    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Hide()
        Homepage.Show()
    End Sub
End Class
```

INTERNAL ASSESSMENT MARKS :

```
Public Class AI_MARKS
    Dim newtextbox As Integer = 1
    Dim newlabelbox As Integer = 1
    Dim txttop As Integer = 1
    Dim lbltop As Integer = 1
    Private _sum1 As New List(Of TextBox)
    'Public Function addnewtextbox() As TextBox
    '    Dim t1 As New TextBox
    '    ' creating a object
    '    Controls.Add(t1)
    '    _sum1.Add(t1)
    '    t1.Top = newtextbox * 27
    '    'MsgBox(t1.Top)
    '    t1.Left = 100
    '    'MsgBox(t1.Left)
    '    newtextbox = newtextbox + 1
    '    Return t1
    'End Function
    Private Sub Cmdsem_SelectedIndexChanged(sender As Object, e As EventArgs)
        cmdSub.Items.Clear()
        rec_open("select sname from subject where course='" & Cmdcourse.Text & "' and sem='" & Cmdsem.Text &
"'")
        While Not rs.EOF
            cmdSub.Items.Add(rs(0).Value)
            rs.MoveNext()
        End While
    End Sub

    Public Function addnewtextbox1() As TextBox
        Dim textboxn As New TextBox
        textboxn.Visible = True
        pnlControls.Controls.Add(textboxn)
        _sum1.Add(textboxn)
        textboxn.Top = txttop * 27
        textboxn.Left = 200
        textboxn.Visible = True
        textboxn.Font = New Font("Times New Roman", 12)
        txttop = txttop + 1
        Return textboxn
    End Function
```

```
Public Function addnewlabelbox(ByVal name As String) As Label
   ' newlabelbox = 1
   Dim labelbox As New Label
   labelbox.Visible = True
   pnlControls.Controls.Add(labelbox)
   labelbox.Top = lbltop * 27
   labelbox.Left = 100
   labelbox.Visible = True
   labelbox.Font = New Font("Times New Roman", 12)
   labelbox.Text = name
   lbltop = lbltop + 1
   Return labelbox
End Function
Private Sub AI_MARKS_Load(sender As Object, e As EventArgs) Handles MyBase.Load
   con_open()
End Sub
Private Sub btnSave_Click(sender As Object, e As EventArgs) Handles Btnsave.Click
   Dim marks() As Integer
   Dim name() As String
   Dim i As Integer = 0
   For Each labelbox As Label In pnlControls.Controls.OfType(Of Label)()
      ReDim Preserve name(i)
      name(i) = labelbox.Text
      i = i + 1
   Next
   i = 0
   For Each textBox As TextBox In pnlControls.Controls.OfType(Of TextBox)()
      ReDim Preserve marks(i)
      marks(i) = Integer.Parse(textBox.Text)
      i = i + 1
   Next
   For i = 0 To name.Length - 1
      '    MsgBox(name(i) & "-" & marks(i))
            rec_open("insert into IA(acadyr,course,sem,name,subject,marks) values('" & cmdAcadYr.Text & "','"
       & Cmdcourse.Text & "','" & Cmdsem.Text & "','" & name(i) & "','" & cmdSub.Text & "','" & marks(i) & "')")
   Next
   MsgBox("Internals Marks Updated Successfully!!", vbOKOnly, "IA MARKS")
End Sub
      Private Sub Cmdsem_SelectedIndexChanged_1(sender As Object, e As EventArgs) Handles
   Cmdsem.SelectedIndexChanged
   rec_open("select sname from subject where course='" & Cmdcourse.Text & "' and sem='" & Cmdsem.Text &
   "'")
   While Not rs.EOF
      cmdSub.Items.Add(rs(0).Value)
```

```
        rs.MoveNext()
      End While
    End Sub

    Private Sub btnGenerate_Click(sender As Object, e As EventArgs) Handles btnGenerate.Click
      Dim i, n As Integer
      Dim name As String
      i = 1
      'n = 10
              rec_open("select count(*) from register where course='" & Cmdcourse.Text & "' and sem='" &
         Cmdsem.Text & "'")
      If Not rs.EOF Then
        n = rs(0).Value
      End If

         rec_open("select name from register where course='" & Cmdcourse.Text & "' and sem='" & Cmdsem.Text
         & "'")
      While Not rs.EOF
        While i <= n
          name = rs(0).Value
          rs.MoveNext()
          addnewtextbox1()
          addnewlabelbox(name)
          i = i + 1
        End While
      End While
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
      Me.Hide()
      Homepage.Show()
    End Sub
End Class
```

UPDATE IA MARKS :

```
Public Class Form2

   Private Sub Form2_Load(sender As Object, e As EventArgs) Handles MyBase.Load

      con_open()

   End Sub


   Private Sub Cmdsem_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
Cmdsem.SelectedIndexChanged

      rec_open("select sname from subject where course='" & Cmdcourse.Text & "' and sem='" & Cmdsem.Text &
      "'")

      While Not rs.EOF

         cmdSub.Items.Add(rs(0).Value)

         rs.MoveNext()

      End While

            rec_open("select name from register where course='" & Cmdcourse.Text & "' and sem='" &
       Cmdsem.Text & "'")

      While Not rs.EOF

         cmdStudent.Items.Add(rs(0).Value)

         rs.MoveNext()

      End While


   End Sub
```

```
    Private Sub cmdStudent_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
    cmdStudent.SelectedIndexChanged

    rec_open("select marks from ia where subject='" & cmdSub.Text & "' and name='" & cmdStudent.Text & "'")

    If Not rs.EOF Then

      txtmarks.Text = rs(0).Value

    End If

    Label7.Text = cmdSub.Text

  End Sub


  Private Sub btngenerate_Click(sender As Object, e As EventArgs) Handles btngenerate.Click

      rec_open("update ia set  marks='" & txtmarks.Text & "' where course='" & Cmdcourse.Text & "' and
      sem='" & Cmdsem.Text & "' and name= '" & cmdStudent.Text & "'")

    MsgBox("Internals Marks Updated Successfully!!", vbOKOnly, "IA MARKS")

  End Sub


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

    Me.Hide()

    Homepage.Show()

  End Sub

End Class
```

GALLERY :

```
Public Class Gallery
    Dim images(27) As Bitmap
    Dim pos As Integer = 0
    Private Sub btnnext_Click(sender As Object, e As EventArgs) Handles btnnext.Click
        pos = pos + 1
        If pos < images.Length - 1 Then
            PictureBox1.Image = images(pos)
        Else
            pos = images.Length - 1

        End If
    End Sub

    Private Sub btnprevious_Click(sender As Object, e As EventArgs) Handles btnprevious.Click
        pos = pos - 1
        If pos >= 0 Then
            PictureBox1.Image = images(pos)
        Else
            pos = 0
        End If
    End Sub
```

```
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    images(0) = e_learning.My.Resources.a1
    images(1) = e_learning.My.Resources.a2
    images(2) = e_learning.My.Resources.l3
    images(3) = e_learning.My.Resources.l4
    images(4) = e_learning.My.Resources.l5
    images(5) = e_learning.My.Resources.l6
    images(6) = e_learning.My.Resources.i
    images(7) = e_learning.My.Resources.i1
    images(8) = e_learning.My.Resources.i2
    images(9) = e_learning.My.Resources.i3
    images(10) = e_learning.My.Resources.i4
    images(11) = e_learning.My.Resources.i5
    images(12) = e_learning.My.Resources.i6
    images(13) = e_learning.My.Resources.i7
    images(14) = e_learning.My.Resources.i8
    images(15) = e_learning.My.Resources.i9
    images(16) = e_learning.My.Resources.p1
    images(17) = e_learning.My.Resources.p2
    images(18) = e_learning.My.Resources.p3
    images(19) = e_learning.My.Resources.p4
    images(20) = e_learning.My.Resources.p5
    images(21) = e_learning.My.Resources.p6
    images(22) = e_learning.My.Resources.p7
    images(23) = e_learning.My.Resources.p8
```

```
        images(24) = e_learning.My.Resources.p9
        images(25) = e_learning.My.Resources.p10
        images(26) = e_learning.My.Resources.l1
        images(27) = e_learning.My.Resources.l2

        PictureBox1.Image = images(pos)

    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        Me.Hide()
        Homepage.Show()
    End Sub
End Class
```

4.3 Hardware and Software Requirements:-

4.3.1 Hardware Requirements:-

- System : MicrosoftWindows10
- Processor :Intel (R) core 15.3230M CPU
- RAM :@2.60GHz
- Monitor
- Keyboard
- Mouse
- Hard disk capacity:

4.3.2 Software Requirements:-

- Operating System : Windows8.1
- · Front End :Visual Studio 2015
- · Back End : My SQLserver5.0

4.4 TESTING:-

4.4.1 INTRODUCTION:

Testing is a process, which reveals errors in the program. It is the major quality measure employed during software development.

A series of tests are performed for the proposed system be for the system was ready for the implementation. The various types of testing done on the system are:

- Unit Testing
- Integration Testing
- Validation Testing
- Output Testing
- User Acceptance Testing

- ## Unit Testing:

Unit testing focuses verification effort on the smallest unit of software design module.

The testing was carried out during the coding stage itself.

In this testing step each module is found to be workings at is factory as regards to expected from module.

- ## Integration Testing:

Integration testing is a systematic technique.

It is used to constructing the program structure while at the same time conducting tests to uncover errors associated within the interface.

All the errors found in the system were conducted for the next testing steps.

- ## Validation Testing:

Validation testing can be defined as the testing which succeeds when the software function in a manner that can be reasonable accepted by the user or the customer.

Validation is achieved through a series of black box tests.

The proposed system under consideration has been tested by using validation testing and found to be working satisfactorily.

- ## Output Testing:

After performing validation testing, then each step is output testing of the proposed system. The Output generated or displayed by system under consideration is tested by comparing with format required by user. Hence, output testing does not result correction in the system.

- ## User Acceptance Testing:

User acceptance of a system is a key factor for the success of any system. The system under consideration was tested for user acceptance by constantly keeping in touch with the prospective system users at the time of developing and making change where required.

4.5 SYSTEM MAINTAINENCE

VISUAL STUDIO 2015

Introduction to Visual Studio 2015

- Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft.
- It is used to develop computer programs, as well as websites, web apps, web services and mobile apps.
- Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store, and Microsoft Silver light.
- It can produce both native code and managed code.
- Visual Studio includes a code editor supporting Intelli Science as well as code refactoring.
- Visual Studio supports 36 different programming languages and allows the code editor and debugger to support nearly any programming language, provided a language specific service exists.
- The most basic edition of Visual Studio, the Community edition, is available free of charge.
- Visual Studio supports running multiple instances of the environment.
- Visual Studio Code Editor also supports setting bookmarks in code for quick navigation.
- It supports for Win RT and C++/CX (Component Extensions) and C++ AMP (GPGPU Programming) Semantic Colorization.
- It contains completion tools, compilers, and features to facilitate the software development process.
- Visual Studio Code includes built-in support for IntelliSense code completion, rich semantic code understanding and navigation, and code refactoring.

- Microsoft Visual Studio is available in the following edition :

  - Community
  - Professional
  - Enterprise

New Features:-

- **CODE EDITOR :**

  - Visual Studio includes a code editor that supports syntax highlighting and code completion using Intelli Science for variables, functions, methods, loops, and LNQ queries.
  - Editor also supports setting bookmarks in code for quick navigation.
  - The code editor also includes a multi-item clipboard and a task list.
  - It supports snippets, which are saved templates for repetitive code and can be inserted into code and customized for the project being worked on.

- **DEBUGGER :**

  - Visual Studio includes a debugger that works both as a source-level debugger and as a machine-level debugger.
  - It works with both managed code as well as native code and can be used for debugging applications written in any language supported by Visual Studio.
  - The Visual Studio debugger can also create memory dumps as well as load them later for debugging.
  - The debugger can be configured to be launched when an application running outside the environment crashes.

- **DESIGNER :**

  - Visual Studio includes a host of visual designers to aid in the development of applications.

  - These tools include:

    - Windows Forms Designer
    - WPF Designer
    - Web Designer/Development
    - Class Designer
    - Data Designer
    - Mapping Designer

- **Extensibility :**

  - Visual Studio allows developers to write extensions for Visual Studio to extends its capabilities.

  - These extensions “plug into” Visual Studio and extends its functionality.

  - Extensions come in the form of macros, add-ins, and packages.

  - Visual Studio 2008 introduced the Visual Studio Shell that allows for development of a customized version of the IDE.

  - After the release of Visual Studio 2008, Microsoft created the Visual Studio Gallery.

  - It serves as the central location for posting information about extensions to Visual Studio.

New controls include the following:

- Open Tabs Browser
- Properties Editor
- Object Browser
- Solution Explorer
- Team Explorer
- Data Explorer
- Server Explorer
- Dotfuscator community Edition
- Text Generation Framework
- ASP.NET Web Site Administration Tool
- Visual Studio Tools for Office.

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MY SQL:-

Introduction to MYSQL 5.0

MYSQL is high-performance, multi-threaded, multi-user RDBMS built around client- server architecture.

Designed specifically for speed and stability over the last few years, become one of the most popular RDBMS for database-driven software applications, both on and off the web.

Today, more than million websites create, use, and deploy MYSQL-based applications; that number rises daily(as stated on the official MYSQL website, at http//www/mysql.com/).

The MYSQL RDBMS consists of the following two components:

- **Server- side tools:** These include the MYSQL database server, which is the core software engine. It Responsible for creating and managing security, together with additional tools to manage multiple MYSQL servers, optimize and repair MYSQL tables and create bug reports.

- **Client-side tools:** These include a command-line MYSQL client, tools to manage. MYSQL user permissions, and utilities to import and export MYSQL databases. Also included are command-line tools to view and copy MYSQL databases and tables, maintain tables, and retrieve server status information.

History and Evolution

MYSQL came into being in1979,when Michael “Monty” Widenius, created a database system named UNIREG for the Swedish company TcX.UNIREG didn’t, however, have a structured query language(SQL) interface-something that caused it to fall out of favour with TCX in the mid-1990.

So began looking for alternatives. One of the MYSQL a Competing DBMS created by Swedes David Axmark, Allan Larsson.

Features of MYSQL 5.0

MYSQL has always be designed around three fundamental principles: Performance, Reliability and ease of use.

Following are discussions of MYSQL’s most compelling features**:-**

Speed:

In an RDBMS,s 0ped-the time to execute a query and return the results to the caller-is everything.

Benchmarks available on the MYSQL web show that MYSQL outperforms almost every other database currently available.

It includes commercial counter parts like Microsoft SQL server2000 and IBMDB2.

Reliability:

The system is designed to offer maximum reliability and uptime, and it has been tested and certifies for use in high-volume, mission-critical applications.

MYSQL's large user base assists in rapidly locating and resolving bugs an in testing the software in a variety of environments-this proactive approach has resulted in software that is virtually bug-free.

Ease of Use:

MYSQL is so easy to use that even a no vice can pick up the basics in a few hours, and the software is well-supported by a detailed manual, a large number of free online tutorials, a knowledge developer community and a fair number of books.

For commercial environment, MYSQL is further supported by MYSQL AB, which offers professional training courses, consultancy serves and technical support.

Multi-user Supports:

MYSQL is a full multi-user system, which means that multiple clients can access and use one (or more) MYSQL database(s) simultaneously; this is of particular significance during development of web-based applications, which are required to support simultaneous connections by multiple remote client.

SCALABILITY:

MYSQL can handle extremely large and complex databases without too much of a performance drop.

Tables of several gigabytes containing hundreds of thousands of records are no common, and the MYSQL website itself claims to use databases containing 50 million records.

Portability:

MYSQL is available for both UNIX and non-UNIX operating systems, including Linux, Solaris, FreeBSD, OS/2, Mac OS, and window95, 98, Me, 2000, XP and NT.

It runs on the range of architectures, including Intelx86, Alpha, SPARC, PowerPC and IA64 and it supports many hardware configurations, from low-end Pentium machines and IBM series main frames.

Applications:

To quote its official website, MYSQL is “the world’s most popular open source database”. No small claim, that, but the numbers certainly seem to be out: according to recent statistics published on the MYSQL website.

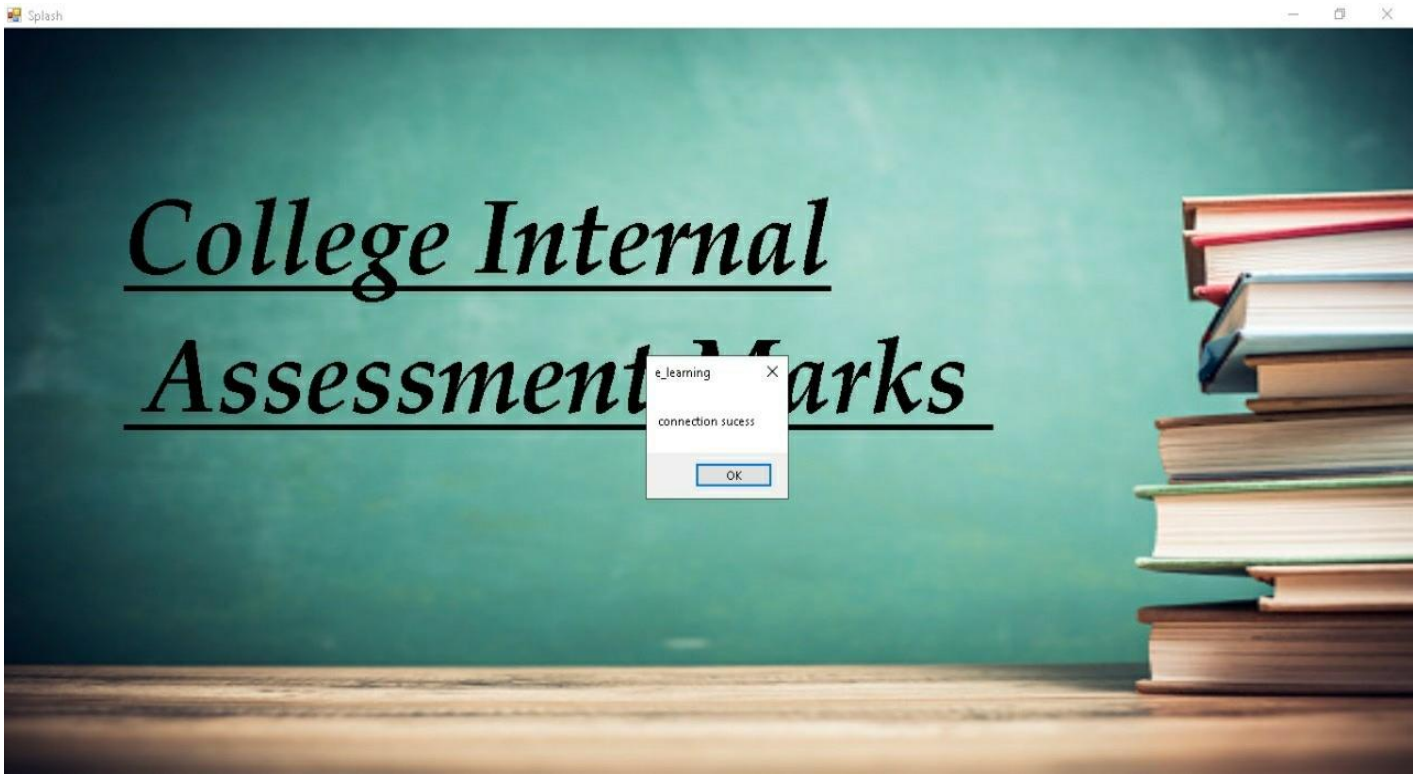
MYSQL is used in more than 4 million systems world wide, with more than 25,000 copies of the MYSQL database server downloaded every.

CHAPTER - 5

A SESSION WITH SOFTWARE

5.1 SCREEN SHOT:

CONNECTION ESTABLISHED

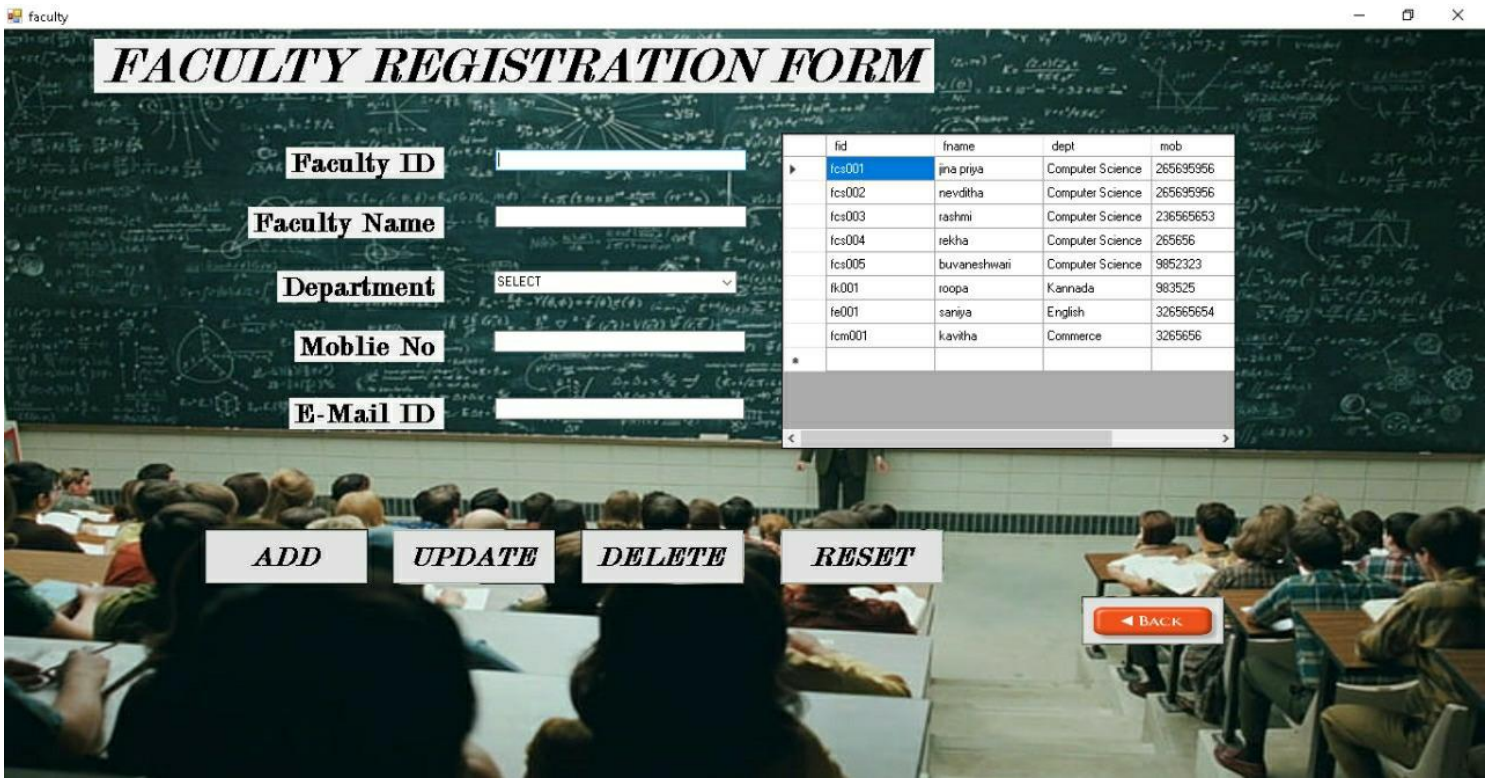


LOGIN

STUDENT REGISTRATION FORM

HOME PAGE

FACULTY REGISTRATION



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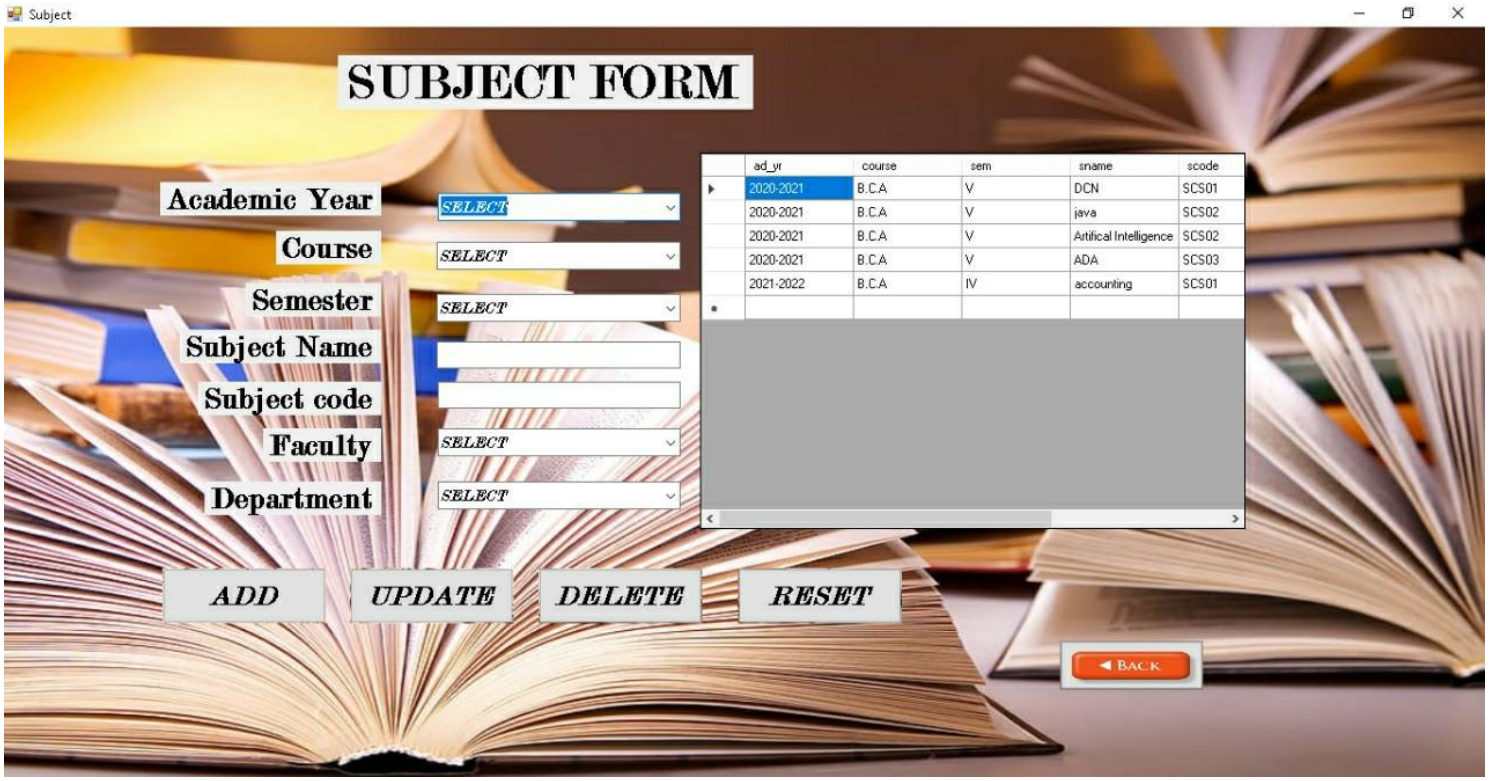
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Course
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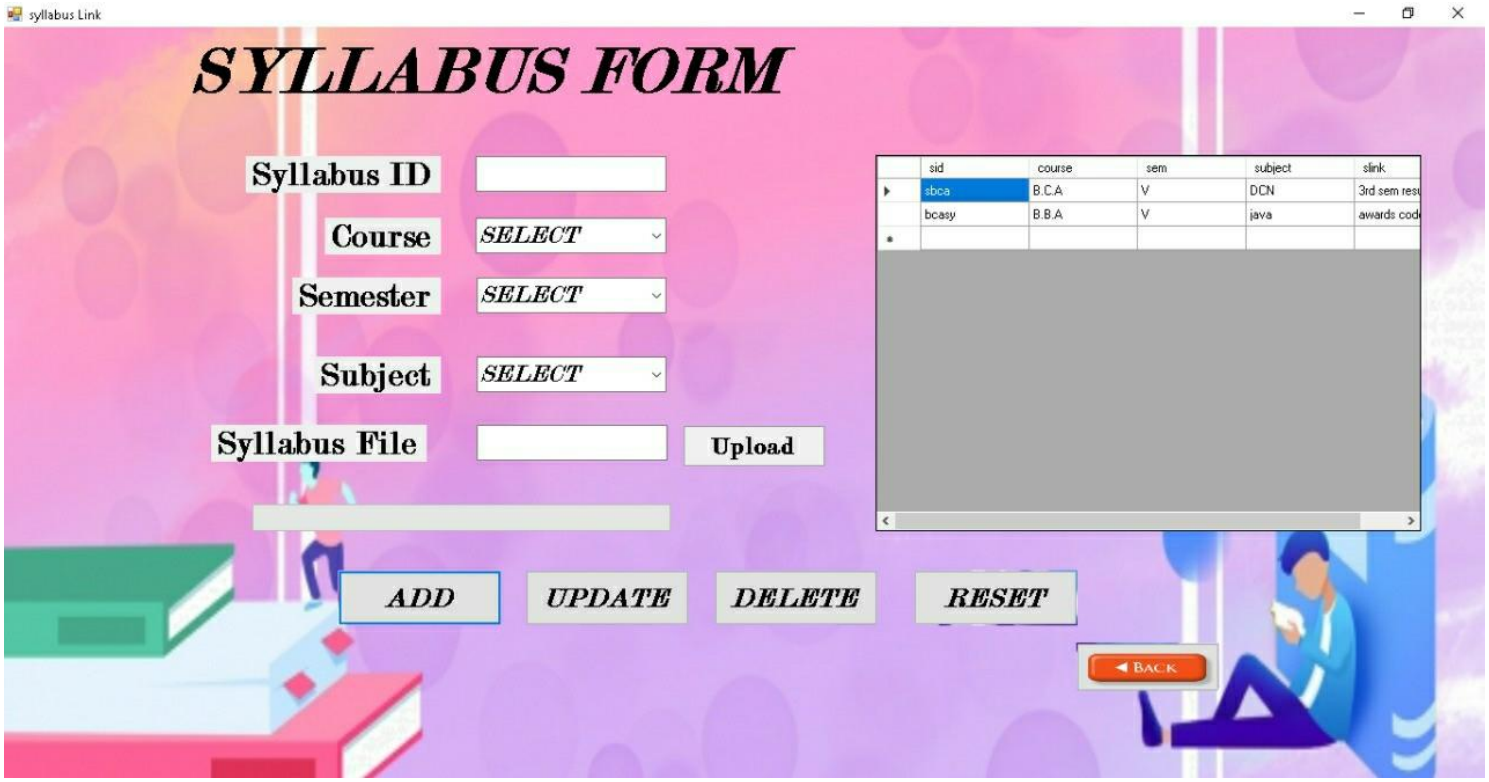
2020-2021 B.C.A V DCN SCS01
2020-2021 B.C.A V java SCS02
2020-2021 B.C.A V Artifical Intelligence SCS02
2020-2021 B.C.A V ADA SCS03
2021-2022 B.C.A IV accounting SCS01
ADD
UPDATE
DELETE
RESET
BACK

SYLLABUS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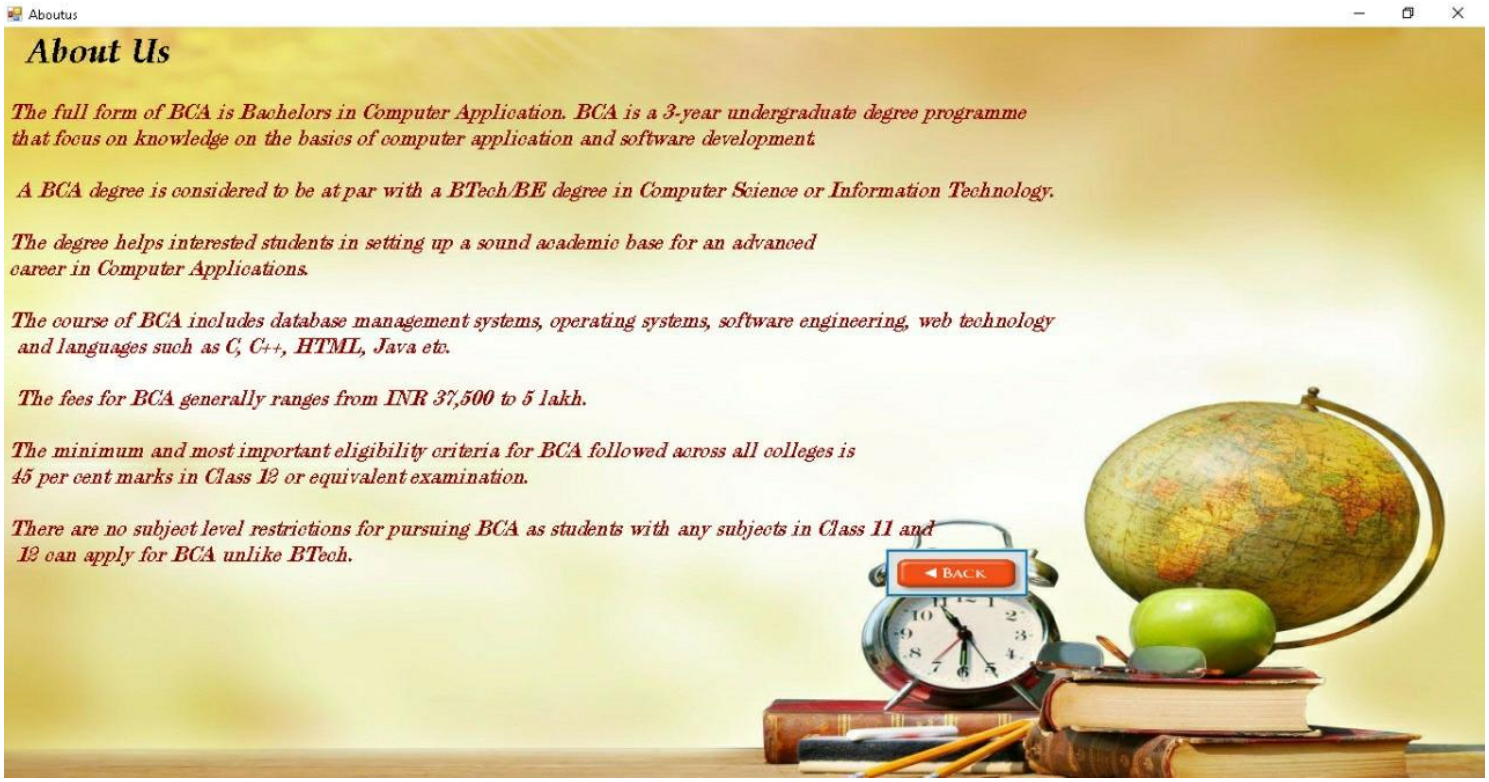
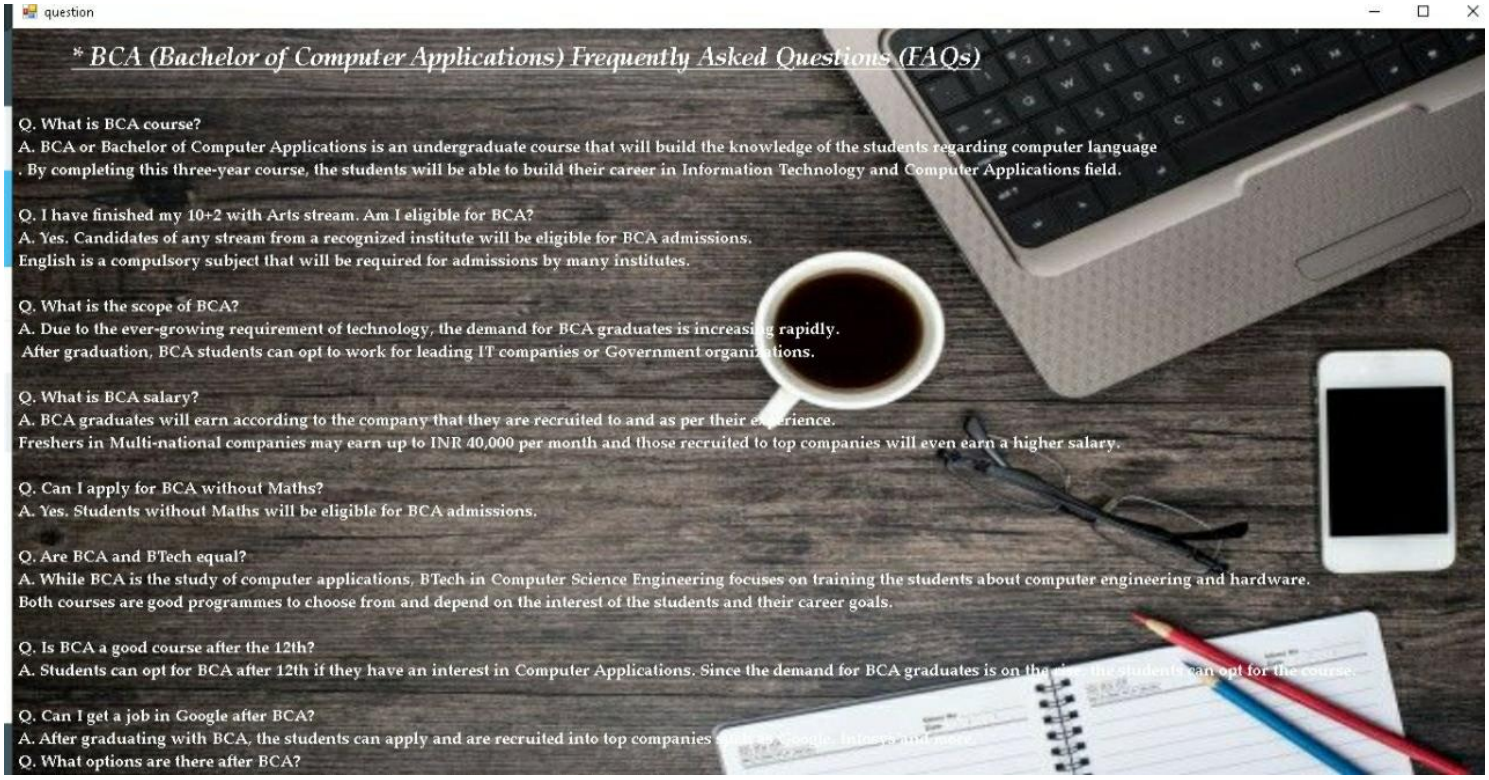
java

TEXT BOOK

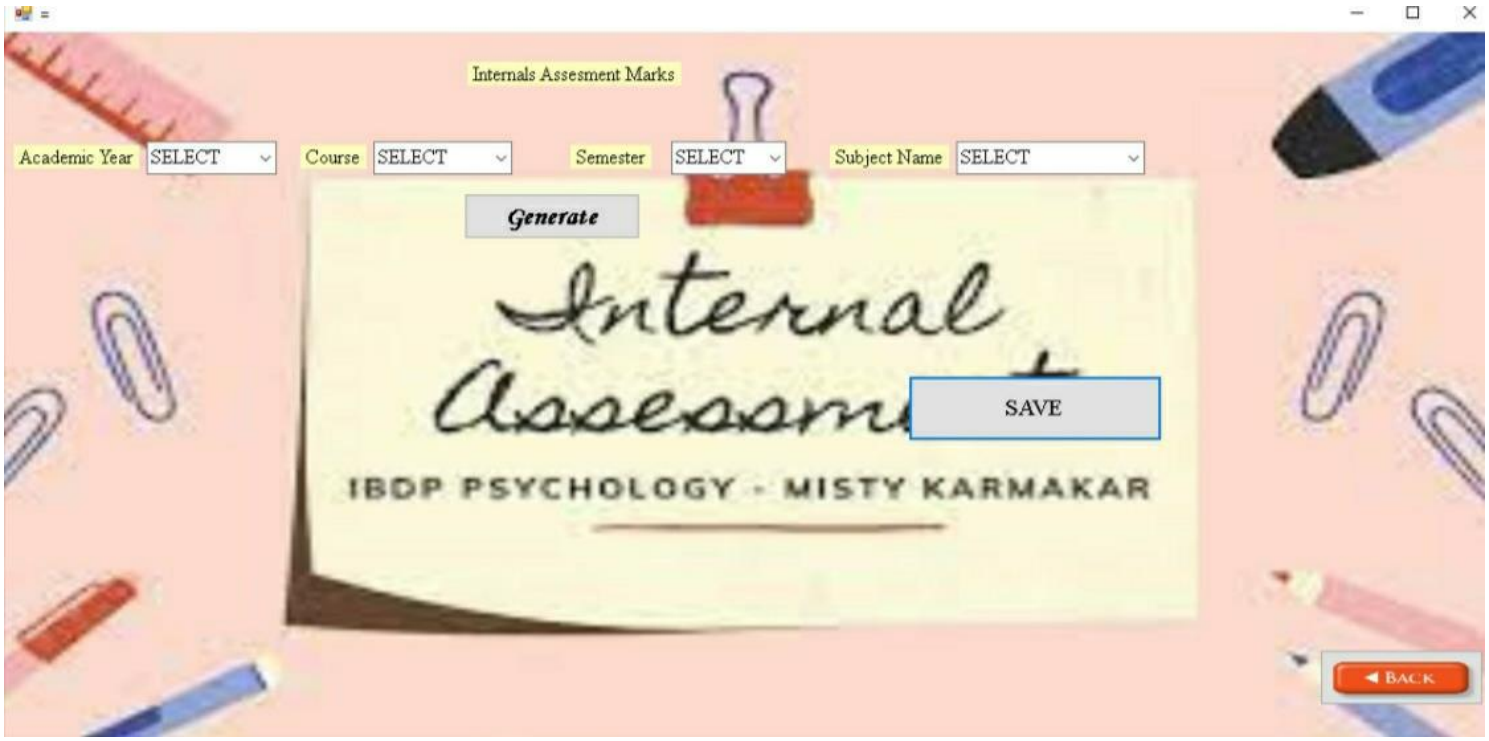
ABOUT US


Aboutus
About Us
The full form of BCA is Bachelors in Computer Application. BCA is a 3-year undergraduate degree programme that focus on knowledge on the basics of computer application and software development.
A BCA degree is considered to be at par with a BTech/BE degree in Computer Science or Information Technology.
The degree helps interested students in setting up a sound academic base for an advanced career in Computer Applications.
The course of BCA includes database management systems, operating systems, software engineering, web technology and languages such as C, C++, HTML, Java etc.
The fees for BCA generally ranges from INR 37,500 to 5 lakh.
The minimum and most important eligibility criteria for BCA followed across all colleges is 45 per cent marks in Class 12 or equivalent examination.
There are no subject level restrictions for pursuing BCA as students with any subjects in Class 11 and 12 can apply for BCA unlike BTech.
BACK

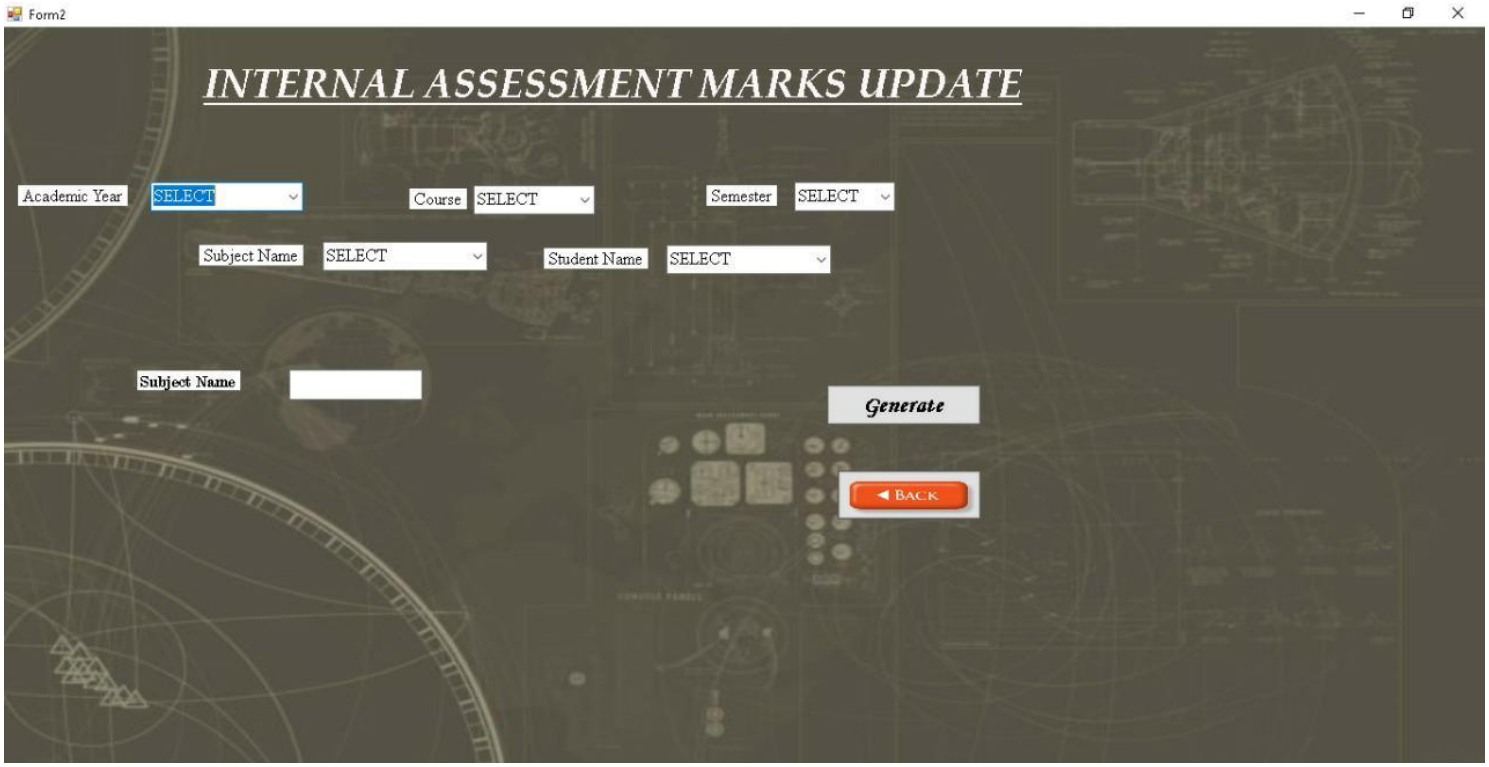
FAQ'S


question
* BCA (Bachelor of Computer Applications) Frequently Asked Questions (FAQs)
Q. What is BCA course?
A. BCA or Bachelor of Computer Applications is an undergraduate course that will build the knowledge of the students regarding computer language
. By completing this three-year course, the students will be able to build their career in Information Technology and Computer Applications field.
Q. I have finished my 10+2 with Arts stream. Am I eligible for BCA?
A. Yes. Candidates of any stream from a recognized institute will be eligible for BCA admissions.
English is a compulsory subject that will be required for admissions by many institutes.
Q. What is the scope of BCA?
A. Due to the ever-growing requirement of technology, the demand for BCA graduates is increasing rapidly.
After graduation, BCA students can opt to work for leading IT companies or Government organizations.
Q. What is BCA salary?
A. BCA graduates will earn according to the company that they are recruited to and as per their experience.
Freshers in Multi-national companies may earn up to INR 40,000 per month and those recruited to top companies will even earn a higher salary.
Q. Can I apply for BCA without Maths?
A. Yes. Students without Maths will be eligible for BCA admissions.
Q. Are BCA and BTech equal?
A. While BCA is the study of computer applications, BTech in Computer Science Engineering focuses on training the students about computer engineering and hardware.
Both courses are good programmes to choose from and depend on the interest of the students and their career goals.
Q. Is BCA a good course after the 12th?
Q. Can I get a job in Google after BCA?
Q. What options are there after BCA?

INTERNAL ASSESSMENT MARKS



UPDATE INTERNAL ASSESSMENT



GALLERY

CHAPTER – 6

CONCLUSION

6. CONCLUSION:

The "College Internal Assessment" has been developed o overcome the problems faced in the existing system. The developed system was found to work out the operations efficiently. Objective of the system has been achieved easily track the information by Students and Faculty. The main goal of the software is to build a good management tool for the organization. The main purpose of this software is to reduce the time taken through manual system order to maintain all the record.

The Goals That Have Achieved Are:

- Ensuring process tie and increasing throughput.
- Simplifies the operation.
- Avoids manual work.
- Reduced data redundancy and in consistency.
- User friendly input screen to enter data.
- A consistent and efficient system has been successfully developed using Visual Studio and MYSQL in windows 10.
- The system is very flexible and user friendly so that further changes can be incorporated into the system easily.

6.1 FUTURE ENCHACMENTS:

- Booking with Accommodation facilities and other services can be included.
- A specialized software's and efficient process can be introduced.
- SMS and alert message make the system more interactive.

6.2 REFERENCES

- Visual Studio 2015 author
- DBMS author (Srikanth)