CERTIFICATE

This is to certify that Mr HARSHIT TIWARI of twelve class ,D.T.E.A. SR SEC SCHOOL has satisfactorily completed the project in Computer for the AISSCE as prescribed by CBSE in the year 2020-2021.

Date :

Registration No. :

Signature of Internal Examiner

Signature of External Examiner

ACKNOWLEDGEMENT

I thank my Computer teacher Mrs. PARVATHY
for their guidance and support. I also
thank my Principal Mrs.JAYASHREE. I
would also like to thank my parents for encouraging
me during this course of this project. Finally
I would like to thank CBSE for giving me this opportunity
to undertake this project.

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INTRODUCTION

Student Management System is developed using python. Talking about the project, it contains only an admin side from where the admin can maintain student records easily. In this project, the user has to perform all the main functions from the Admin side.

ABOUT THE SYSTEM

In order to add student records, the user has to provide various information such as his/her name, roll no., study branch, phone number, parent name, and address. After this, the user can easily manage the student's record and can update, remove if he/she wants.

The project file contains a python script (student_manage.py). Also, the design of this project is pretty simple so that the user won't find any difficulties while working on it. The Student Management System in Python helps in easy management of student records

SOURCE CODE

```
import main_menu
import admission
import student_data
import fee_details
import lib_details
 while True:
      main_menu.clrscreen()
      print("\t\t--------------------------------------------------------------------------")
      print("\t\t * ** * Welcome to School Management System * * * *)
      print("\t\t--------------------------------------------------------------------------")

      print("\n\t\t * * ** ABC School - M A I N  M E N U   * * ** ")
      print("1 :  Admission")
      print("2 :  Student Data")
      print("3 :  Fees Details")
      print("4 :  Library Details ")
      print("5 :  Exit")
                    print("\t\t--------------------------------------------------------------------------")
      choice=int(input("Enter Your Choice :"))2

     if choice==1:
       admission.ADM_MENU()
```

```
    elif choice==2:
      student_data.STU_MENU()
    elif choice==3:
      fee_details.FEE_MENU()
    elif choice==4:
      lib_details.LIB_MENU()
    elif choice==5:
      break
    else:
       print("Error : Invalid Choice try again....")
       conti=input("Press any key to continue...")

import main_menu
import admission
 def ADM_MENU():
   while True:
     admission.clrscreen()
     print("\t\t-------------------------------------------------------------------------")
     print("\t\t * ** * Welcome to School Management System * * * *)
     print("\t\t-------------------------------------------------------------------------")

     print("\n\t\t * * * ** A D M I S S I O N  M E N U  * * ** ")
     print("\t\t-------------------------------------------------------------------------")
     print("1 :  Admission Details ")
     print("2 :  Show Admin_Details")
```

```
    print("3 :  Search ")
    print("4 :  Deletion")
    print("5 :  Update Admission Details")
    print("6 :  Return to MAIN MENU...")
    print("\t\t-------------------------------------------------------------------------")
    choice=int(input("Enter Your Choice 1-6 :")) 2

    if choice==1:
      admission.Admin_details()
    elif choice==2:
      admission.Show_Admin_Details()
    elif choice==3:
      admission.Search_Admin_Details()
    elif choice==4:
      admission.Delete_Admin_Details()
    elif choice==5:
      admission.Edit_Admin_Details()
    elif choice==6:
      return
    else:
      print("Error : Invalid Choice try again....")
  conti=input("Press any key return to MAIN - MENU..")

import main_menu
import student_data
```

```
def STU_MENU():   #student_data.py  module
  while True:
    student_data.clrscreen()
    print("\t\t-------------------------------------------------------------------------")
    print("\t\t * ** * Welcome to School Management System * * * *)
    print("\t\t-------------------------------------------------------------------------")
    print("\n\t\t * * ** STUDENT DATA   M E N U   * * ** ")
    print("\t\t-------------------------------------------------------------------------")
    print("1 :  Add Student Record ")
    print("2 :  Show Student Details")
    print("3 :  Search Student Record")
    print("4 :  Delete Student Record ")
    print("5 :  Edit Student Record ")
    print("6 :  Return")
    print("\t\t-------------------------------------------------------------------------")
    choice=int(input("Enter Your Choice 1-6 :"))

     if choice==1:
       student_data.Add_Records()
     elif choice==2:
      student_data.Show_Stu_Details()
     elif choice==3:
       student_data.Search_Stu_Details()
     elif choice==4:
```

```
      student_data.Delete_Stu_Details()
    elif choice==5:
      student_data.Edit_Stu_Details()
    elif choice==6:
       return
    else:
      print("Error : Invalid Choice try again....")
conti=input("Press any key to Back to MAIN - MENU..")


def FEE_MENU():   #fee_details.py module
  while True:
    fees_details.clrscreen()
      print("\t\t-------------------------------------------------------------------------")
      print("\t\t * ** * Welcome to School Management System * * * *)
      print("\t\t-------------------------------------------------------------------------")
      print("\n\t\t * * * ** STUDENT FEE  M E N U   * * ** ")
      print("\t\t-------------------------------------------------------------------------")
      print("1 :  Fee Deposit ")
      print("2 :  Fee Details")
      print("3 :  return to Main Menu..")
      print("\t\t-------------------------------------------------------------------------")
      choice=int(input("Enter Your Choice 1-3 :"))

     if choice==1:
```

```
        fees_details.fees_Deposit()
      elif choice==2:

       fees_details.FDetails()
      elif choice==3:
        return
      else:
        print("Error : Invalid Choice try again....")
  conti=input("Press any key to Back to MAIN - MENU..")



import main_menu
import lib_details

  def LIB_MENU():   #lib_details.py module
   while True:
     lib_details.clrscreen()
     print("\t\t-------------------------------------------------------------------------")
     print("\t\t * ** * Welcome to School Management System * * * *)
     print("\t\t-------------------------------------------------------------------------")
     print("\n\t\t * * ** Library  M E N U   * * ** ")
     print("\t\t-------------------------------------------------------------------------")
     print("1 :  Book Issue ")
     print("2 :  Book Return")
     print("3 :  return to Main Menu..")
```

```
    print("\t\t-------------------------------------------------------------------------")
    choice=int(input("Enter Your Choice 1-3 :"))



    if choice==1:
      lib_details.book_issue()
    elif choice==2:
      lib_details.book_return()
    elif choice==3:
      return
    else:
      print("Error : Invalid Choice try again....")
  conti=input("Press any key to Back to MAIN - MENU..")

import admission
import mysql.connector
 def Admin_details():
   try:
     mycon=connection.MySQLConnection
     (user='root',password=' ',host='localhost',
     database='schoolmgm')
     MyCur=mycon.cursor()

     adno=input("Enter Admission No ")
     rollno=int(input("Enter Rollno :"))
```

```
    sname=input("Enter Student Name :")
    address=input("Enter Address :")
    phone=input("Enter Phone No.")
    class1=input("Enter Class")

    Query=("Insert into admission values(%s,%d,%s,%s,%s,%s))
    Record=(adno,rollno,sname,phone,class))
    MyCur.execute(Query,Record)
    MyCur.close()
    MyCon.close()
    print("Record has been Saved .. in Admission Data Table....")
    except mysql.connector.error as err:

      if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
        print("Oops! Something is invalid ...Re.Check User Name & Password.....")
        if err.errno==errorcode.ER_BAD_DB_ERROR:
          print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
        else:
          print(err)
  MyCon.close()

from mysql.connector import errorcode
from mysql.connector import(connection)
  def  Show_Admin_Details():
    try:
```

```
    mycon=connection.MySQLConnection (user='root',password=' ',host='localhost',
    database='schoolmgm')
    MyCur=mycon.cursor()

    Query= ("Select *from Admission")
   MyCur.execute(Query)
   for(adno,rollno,name,addres,class) in cursor:
     print("Admission  Code",adno)
     print("Roll Number",rollno)
     print("Student Name",sname)
     print("Address",address)
     print("Phone Number",phone, "Class",class)
  Mycur.close()  Con.close()
except mysql.connector.error as err:

  if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
    print("Oops! Something is invalid ...Re.Check User Name & Password.....")
    if err.errno==errorcode.ER_BAD_DB_ERROR:
      print("Admission /SchoolMgm: DATABASE does not exists...try another DB")

    else:
      print(err)
mycur.close()
mycon.close()
```

```
#-------------------------------------------------------------------------------
 def  Search_Admin_Details():
  try:

    mycon=connection.MySQLConnection (user='root',password=' ',host='localhost',
    database='schoolmgm')

    temp_adno=input("Enter Admission Number  to be Search :")

    MyCur=mycon.cursor()
    Query= ("Select *from Admission
    where  temp_adno= "%s")
    rec_srch=(temp_adno,)
    MyCur.execute(Query,rec_srch)
    for(adno,rollno,name,addres,class) in cursor:
      print("Admission  Code",adno)
      print("Roll Number",rollno)
      print("Student Name",sname)
      print("Address",address)
      print("Phone Number",phone, "Class",class)
    except mysql.connector.error as err:
      if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
        print("Oops! Something is invalid ...Re.Check User Name & Password.....")
        if err.errno==errorcode.ER_BAD_DB_ERROR:
```

```
        print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
      else:
        print(err)

mycur.close()
mycon.close()

                #-------------------------------------------------------------------------------

                                #admission.def delete_Admin_Details()

              #-------------------------------------------------------------------------------

def delete_Admin_Details():
   try:
     mycon=connection.MySQLConnection
     (user='root',password=' ',host='localhost',
     database='schoolmgm')

     temp_adno=input("Enter Admission Numberto be Delete  :")
     MyCur=mycon.cursor()
     Query= (" " " Delete from Admission
     where adno= "%s")
     rec_srch=(temp_adno,)
     MyCur.execute(Query,rec_srch)
```

```
      except mysql.connector.error as err:
        if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
          print("Oops! Something is invalid ...Re.Check User Name & Password.....")
          if err.errno==errorcode.ER_BAD_DB_ERROR:
            print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
          else:
            print(err)
    mycur.close()
    mycon.close()
print("Record has been deleted Now ")
#-------------------------------------------------------------------------------------------
                    #admission.Edit_Admin_Details():    ADM_MENU() Choice=5
#-------------------------------------------------------------------------------------------
  def Edit_Admin_Details():
    try:

     mycon=connection.MySQLConnection
     (user='root',password=' ',host='localhost',
     database='schoolmgm')

     temp_adno=input("Enter Admission Numberto be Update / Edit  :")

     Query= (" " " Select *from Admission
     where temp_adno= "%s")
```

```
 MyCur=mycon.cursor()
 rec_srch=(temp_adno,)
 print("Input New Data ")
 sname=input("Enter Student Name :")
 address=input("Enter Address :")
 phone=input("Enter Phone No.")
 class1=input("Enter Class")
 Q=("Update admission set sname="%s",address="%s",
 phone="%s",class1="%s", where temp_adno="%s")
 D=(sname,address,phone,class1)

 MyCur.execute(Q,D)
 print("Record has been updated Now")
 except mysql.connector.error as err:
  if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
    print("Oops! Something is invalid
    print("Re.Check User Name & Password.....")
    if err.errno==errorcode.ER_BAD_DB_ERROR:
      print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
   else:
     print(err)

mycur.close()
mycon.close()
```

```
##-------------------------------------------------------------------------

 print("\t\t-------------------------------------------------------------------------")
 print("\t\t * ** * Welcome to School Management System * * * *)
 print("\t\t-------------------------------------------------------------------------")

 print("\n\t\t * * ** ABC School - M A I N  M E N U   * * ** ")
 print("1 :  Admission")
 print("2 :  Student Data")
 print("3 :  Fees Details")
 print("4 :  Library Details ")
 print("5 :  Exit")
 print("\t\t-------------------------------------------------------------------------")
 choice=int(input("Enter Your Choice :")) 1

  print("\n\t\t * * ** A D M I S S I O N  M E N U   * * ** ")
                  print("\t\t-------------------------------------------------")
                  print("1 :  Admission Details ")
 print("2 :  Show Admin_Details")
                 print("3 :  Search ")
 print("4 :  Deletion")
 print("5 :  Update Admission Details")
 print("6 :  Return to MAIN MENU...")
 print("\t\t-------------------------------------------------")
```

```
choice=int(input("Enter Your Choice 1-6 :"))

DONE

print("\t\t-------------------------------------------------------------------------")
print("\t\t * ** * Welcome to School Management System * * * *)
print("\t\t-------------------------------------------------------------------------")
print("\n\t\t * * ** STUDENT DATA   M E N U   * * ** ")
print("\t\t-------------------------------------------------------------------------")

print("1 :  Add Student Record ")
print("2 :  Show Student Details")
print("3 :  Search Student Record")
print("4 :  Delete Student Record ")
print("5 :  Edit Student Record ")
print("6 :  Return...")
print("\t\t-------------------------------------------------------------------------")
choice=int(input("Enter Your Choice 1-6 :")) 1
                #-------------------------------------------------------------------------:-)

  if choice==1:
    student_data.Add_Records()
  elif choice==2:
    student_data.Show_Stu_Details()
  elif choice==3:
```

```
          student_data.Search_Stu_Details()
        elif choice==4:
          student_data.Delete_Stu_Details()
        elif choice==5:
          student_data.Edit_Stu_Details()
        elif choice==6:
          return

                              #-----------------------------------------------------
                              #  #1     Add Student Record | def Add_Records
                              #-----------------------------------------------------

import admission
import mysql.connector
import student_data

 def Add_Records():

   try:
     mycon=connection.MySQLConnection
     (user='root',password=' ',host='localhost',
     database='schoolmgm')
     MyCur=mycon.cursor()

     rollno=int(input("Enter Rollno :"))
```

```
    sname=input("Enter Student Name :")
    add=input("Enter Address :")
    Stream=input("Enter Stream:")

    Query=("Insert into  student_datavalues(%s,%s,%s,%s")\
     Record=(rollno,sname,add,stream))
   MyCur.execute(Query,Record)
  MyCur.close()
  MyCon.close()
 print("Record has been Saved .. in Student Data Table....")
 except mysql.connector.error as err:
  if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
    print("Oops! Something is invalid ...Re.Check User Name & Password.....")

    if err.errno==errorcode.ER_BAD_DB_ERROR:
      print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
    else:
      print(err)
MyCon.close()

                    #-----------------------------------------------------
                     #     #2  Show Student Record | def Show_Stu_Details()
                       #-----------------------------------------------------

 def  Show_Stu_Details():
```

```
try:
  mycon=connection.MySQLConnection (user='root',password=' ',host='localhost',
  database='schoolmgm')
  MyCur=mycon.cursor()

  Query= ("Select *from Student_Data")
  MyCur.execute(Query)



  for(rollno,sname,add,stream) in cursor:
    print("Student Rollno ",rollno)
    print("Student Name",name)
    print("Address",add)
    print("Stream",stream)
Mycur.close()  Con.close()
except mysql.connector.error as err:

  if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
    print("Oops! Something is invalid ...Re.Check User Name & Password.....")
    if err.errno==errorcode.ER_BAD_DB_ERROR:
      print("Admission /SchoolMgm: DATABASE does not exists...try another DB")

    else:
      print(err)
mycur.close()
```

```
  mycon.close()

                #-----------------------------------------------------------------------
                    #      #3  Search Student Record | def Search_Stu_Details()
                      #-----------------------------------------------------------------

def  Search_Stu_Details():
  try:
    mycon=connection.MySQLConnection (user='root',password=' ',host='localhost',
    database='schoolmgm')
    temp_rollno=input("Enter Roll Number to be Search :")
    MyCur=mycon.cursor()
    Query= ("Select *from Student_data
    where  temp_rollno= "%s")
    rec_srch=(temp_rollno,)
    MyCur.execute(Query,rec_srch)
    for(rollno,sname,add,stream) in cursor:
      print("Student Rollno ",rollno)
      print("Student Name",name)
      print("Address",add)
      print("Stream",stream)

   except mysql.connector.error as err:
     if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
      print("Oops! Something is invalid ...Re.Check User Name & Password.....")
```

```
    if err.errno==errorcode.ER_BAD_DB_ERROR:
      print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
    else:
      print(err)

mycur.close()
mycon.close()

                    #-------------------------------------------------------------------------
                     #      #4  Delete Student Record | def Delete_Stu_Details()
                      #-------------------------------------------------------------------------


def Delete_Admin_Details():
  try:
    mycon=connection.MySQLConnection
    (user='root',password=' ',host='localhost',
    database='schoolmgm')

    temp_rollno=input("Enter Rollno Number
                                                    to be Delete  :")
    MyCur=mycon.cursor()
    Query= (" " " Delete from Student_Data
    where temp_rollno= "%s")
    rec_srch=(temp_rollno,)
```

```
    MyCur.execute(Query,rec_srch)


    except mysql.connector.error as err:
      if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
        print("Oops! Something is invalid ...Re.Check User Name & Password.....")
        if err.errno==errorcode.ER_BAD_DB_ERROR:
          print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
        else:
          print(err)
  mycur.close()
  mycon.close()
print("Record has been deleted Now ")


                    #-----------------------------------------------------------------
                     #      #5 Edit Student Record | def Edit_Stu_Details()
                      #----------------------------------------------------------------


def Edit_Admin_Details():
  try:
    mycon=connection.MySQLConnection
    (user='root',password=' ',host='localhost',
    database='schoolmgm')
    temp_rollno=input("Enter Rollno Numberto be Update / Edit  :")
    Query= (“ “ “ Select *from Student_Data
    where temp_rollno= “%s”)
```

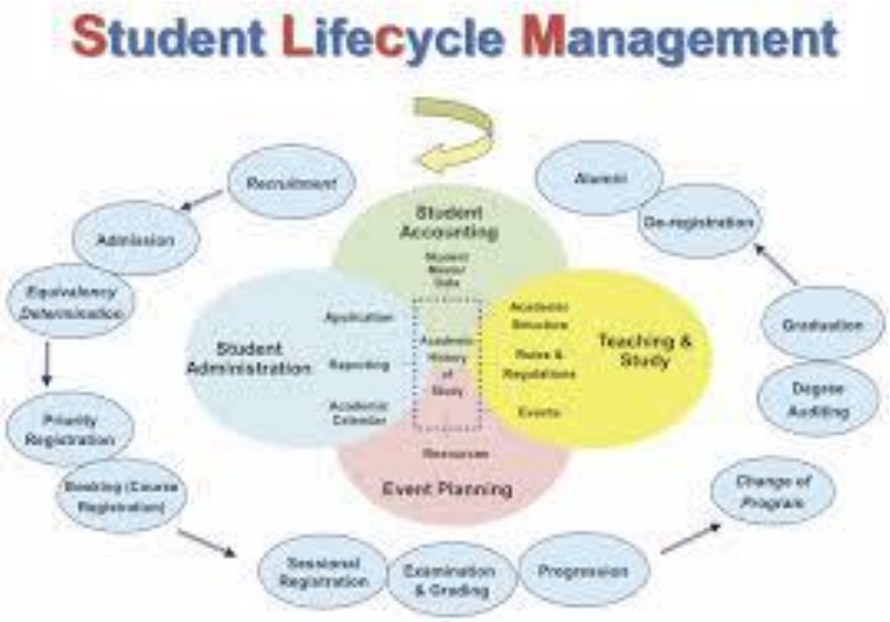
```
    MyCur=mycon.cursor()
    rec_srch=(temp_rollno,)
    print("Input New Data ")

    name=input("Enter  Student Name :")
    add=input("Enter Address :")
    stream=input("Enter Stream")

    Q=("Update student_data set name="%s",add="%s",
    stream=(*"%s" where temp_rollno="%s")

    D=(name,add,stream)
    MyCur.execute(Q,D)
    print("Record has been updated Now")
    except mysql.connector.error as err:
     if err.errno==errorcode.ER_ACCESS_DENIED_ERROR:
       print("Oops! Something is invalid")
       print("Re.Check User Name & Password.....")
       if err.errno==errorcode.ER_BAD_DB_ERROR:
         print("Admission /SchoolMgm: DATABASE does not exists...try another DB")
       else:
         print(err)

mycur.close()
mycon.close()
```


Student Lifecycle Management
Recruitment
Admission
Equivalency Determination
Priority Registration
Booking (Course Registration)
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Examination & Grading
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Degree Auditing
Graduation
De-registration
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Student Accounting
Student Administration
Teaching & Study
Event Planning
Application
Reporting
Academic History of Study
Academic Structure
Rules & Regulations
Events
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