

Ecommerce Website Using Python CGI

A PROJECT REPORT

Submitted by

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At

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College Portal Using Python CGI

BONAFIDE CERTIFICATE

Certified that this project report on 'College Portal' in python is the bonafide work of Ariyo Halder and Ramanath Majhi who carried out the project work under my supervision.

Ariyo Halder

Ramanath Majhi

Signature of H.O.D.

Dr. Sanjoy Chakraborty

Sector-III, Salt Lake,

kolkata

Signature of Mentor

Prof. Meghali Das

Ardent Computech Pvt. Ltd.

ACKNOWLEDGEMENT

The project “*College Portal Using Python CGI*” would not have been possible without the constant guidance of our guide Prof. Meghali Das, Ardent Computech Pvt. Ltd. ,who guided us throughout this process despite his busy schedule. We are immensely thankful to him for his valuable ideas on improvement of the project. We are also grateful to Prof. Dr. Sanjoy Chakraborty, our HOD, for all the help he provided. The brainstorming sessions that we had during the project development process, led to serious arguments and disagreements, but only for the betterment of the project.

Introduction to Python :

Python is a widely used general-purpose, high level programming language. It was initially designed by Guido van Rossum in 1991 and developed by Python Software Foundation. It was mainly developed for emphasis on code readability, and its syntax allows programmers to express concepts in fewer lines of code. Python is a programming language that lets you work quickly and integrate systems more efficiently. There are two major Python versions- Python 2 and Python 3. Both are quite different. Python interpreters are available for many operating systems. CPython, the reference implementation of Python, is open source software and has a community-based development model, as do nearly all of Python's other implementations. Python and CPython are managed by the non-profit Python Software Foundation.

Characteristics of Python :

Open Source

Like PHP, Rust, Swift and Perl, Python is an open-source software, meaning its source code is available within the license, and users are allowed to access, modify and/or distribute to the code to anyone without the developer's permission.

Portable

Because it's an open-source software, Python has been ported to run on a variety of different platforms, some of which include Windows, Mac, Solaris, OS/2, BeOS, PlayStation, Sharp Zarus, Windows CE, PocketPC and more. But if you intend to run Python on a different platform, use caution to ensure that no system-dependent features are being used.

Object-Oriented and Procedure-Oriented

Python supports both procedure-oriented and object-oriented functions. Procedureoriented means the language is designed around procedures and functions that are reused throughout the language. In comparison, object-oriented means the language is built around objects that combine data and functionality.

Embeddable

Python is embeddable with C or C++ programming, allowing users to enhance their code with scripting functions. Easy to Learn Python is a beginner-friendly programming language that's easy to learn, regardless of your experience/knowledge with the language. If you're a newcomer who's looking to learn his or her first language, give Python a try. Its simplistic syntax makes learning fun and easy, which is a rare trait among most programming languages

Libraries

One of Python's greatest strengths is its libraries. The standard library contains tools to assist programmers in using the language, supporting many formats and protocols like MIME and HTTP. Also included in Python's standard library is modules for creating graphical user interfaces, modules for manipulating regular expressions, and modules for unit testing. It's important to note, however, that the standard library is not required to run or use Python in an application .

Tools :

PyCharm

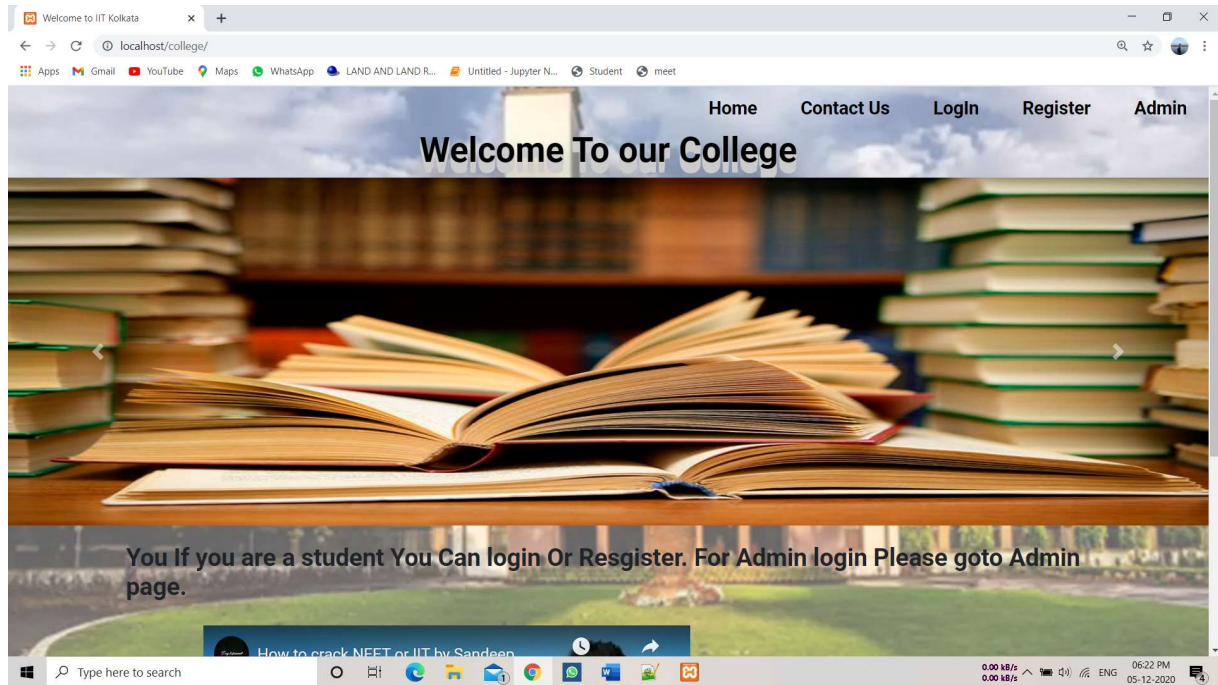
PyCharm is an integrated development environment (IDE) used in computer programming, specifically for the Python language. It is developed by the Czech company JetBrains. It provides code analysis, a graphical debugger, an integrated unit tester, integration with version control systems (VCSes), and supports web development with Django. PyCharm is cross-platform, with Windows, macOS and Linux versions.

Microsoft Visual Studio

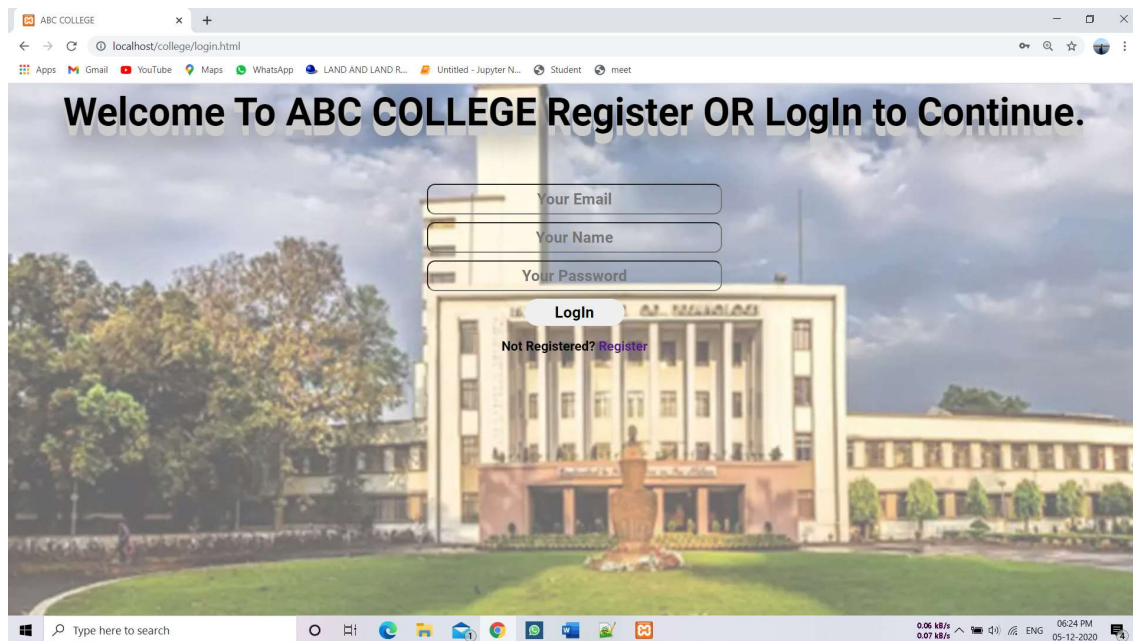
Microsoft Visual Studio is an integrated development environment (IDE) from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps. Visual Studio uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Presentation Foundation, Windows Store and Microsoft Silverlight. It can produce both native code and managed code.

College Portal Using Python CGI

Index



Student login



College Portal Using Python CGI

Student registration

ABC COLLEGE

localhost/college/register.html

Apps Gmail YouTube Maps WhatsApp LAND AND LAND R... Untitled - Jupyter N... Student meet

Welcome To ABC COLLEGE Register OR Login to Continue.

Your Name

Your Email

Your Branch

ALL IN CAPITAL LETTERS

Your Password

Your Roll N.O.

Remember roll n.o. cannot be changed

Your College Code

SignUp

Already Registered? [login](#)

Type here to search

0.05 kB/s 0.17 kB/s 06:29 PM 05-12-2020

Student profile page

ABC COLLEGE

localhost/college/main.py?name=ramya

Apps Gmail YouTube Maps WhatsApp LAND AND LAND R... Untitled - Jupyter N... Student meet

Home Notices Contact Us

Welcome ramya To ABC COLLEGE

Change Profile

Log Out

Welcome ramya To Our College Portal

Lorem ipsum dolor sit amet consectetur adipisicing elit. Autem laudantium tenetur recusandae officiis porro, repellat, eius quas earum deserunt sapiente ut vel! Asperiores quaerat commodi nihil fuga aut quas facere temporibus? Quia, delectus, Distinctio!

!!! ramya Best Of Luck For Exams!!!

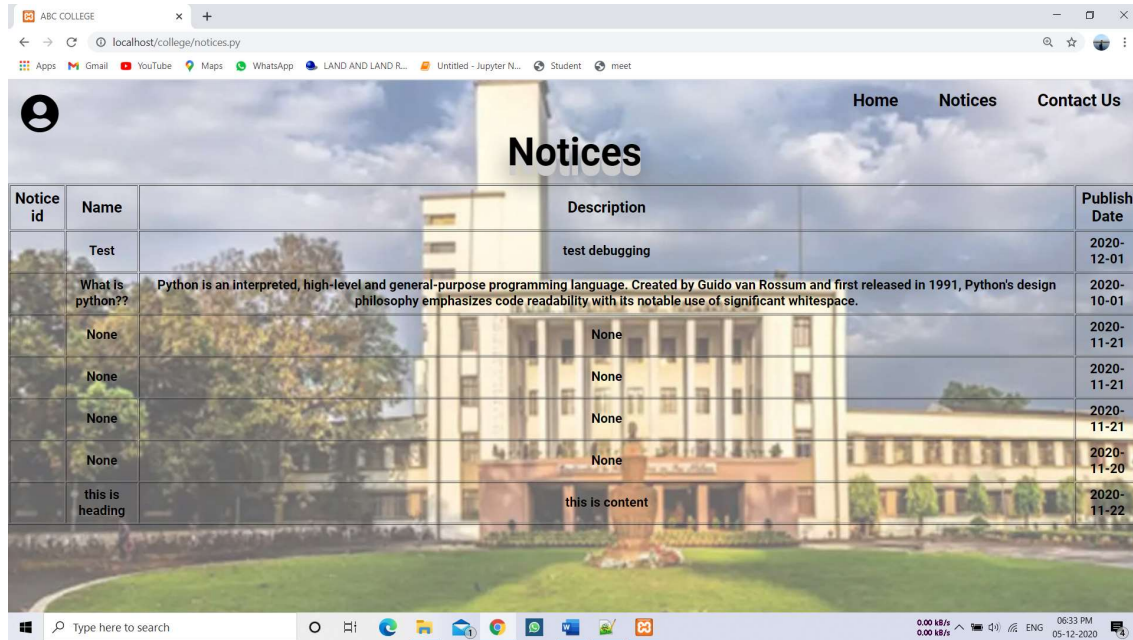
Lorem ipsum dolor sit amet consectetur adipisicing elit. Autem laudantium tenetur recusandae officiis porro, repellat, eius quas earum deserunt sapiente ut vel! Asperiores quaerat commodi nihil fuga aut quas facere temporibus? Quia, delectus, Distinctio!

Type here to search

0.00 kB/s 0.05 kB/s 06:32 PM 05-12-2020

College Portal Using Python CGI

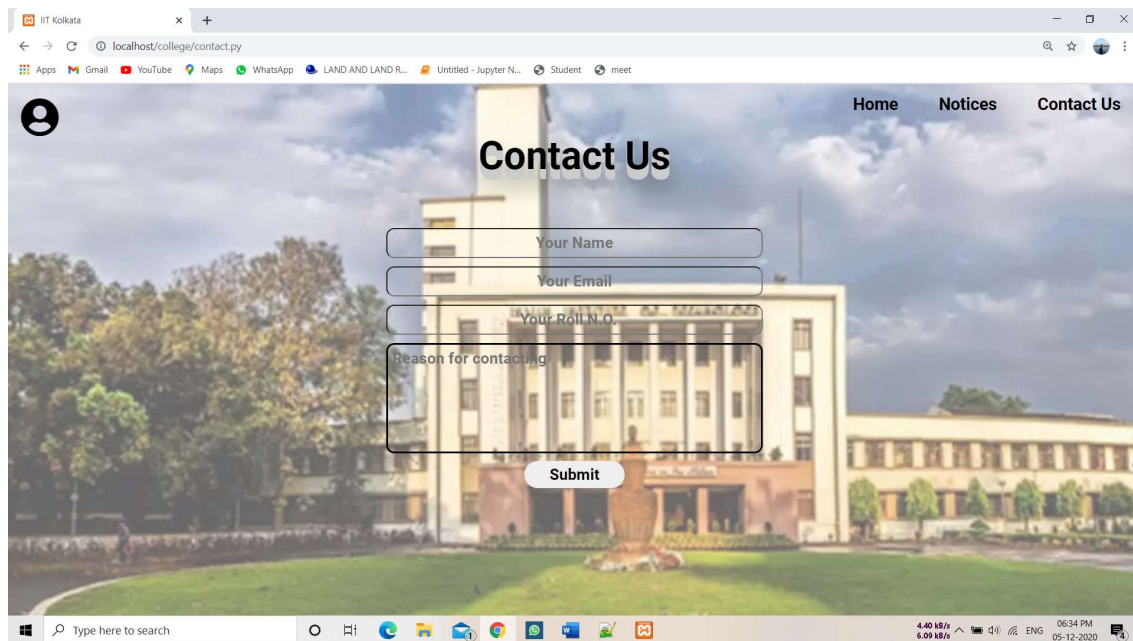
Notice page



The screenshot shows a web browser window displaying the 'Notices' page of a college portal. The page has a header with a user profile icon, a navigation bar with 'Home', 'Notices', and 'Contact Us', and a large background image of a college building. The main content area features a table with the following data:

Notice id	Name	Description	Publish Date
	Test	test debugging	2020-12-01
	What Is python??	Python is an interpreted, high-level and general-purpose programming language. Created by Guido van Rossum and first released in 1991, Python's design philosophy emphasizes code readability with its notable use of significant whitespace.	2020-10-01
	None	None	2020-11-21
	None	None	2020-11-21
	None	None	2020-11-21
	None	None	2020-11-20
	this is heading	this is content	2020-11-22

Contact us page



The screenshot shows a web browser window displaying the 'Contact Us' page of a college portal. The page has a header with a user profile icon, a navigation bar with 'Home', 'Notices', and 'Contact Us', and a large background image of a college building. The main content area features a form with the following fields:

- Your Name
- Your Email
- Your Roll N.O.
- Reason for contacting
- Submit

College Portal Using Python CGI

Admin login page

ABC COLLEGE

localhost/college/admin.html

Welcome To ABC COLLEGE Admin panel Login to Continue.

Your Email

Your Password

Login

Publish notice page

ABC COLLEGE

localhost/college/publish_notice.html

Publish notice ABC COLLEGE.

Unique Notice ID

Heading

Content

dd-mm-yyyy

PUBLISH

[View notices](#)

[Edit notices](#)

College Portal Using Python CGI

➤ Index.html

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Welcome to IIT Kolkata</title>
```

```
  <link rel="stylesheet" href="/college/style.css">
```

```
  <style>
```

```
    #logo{
```

```
      height: 4rem;
```

```
    }
```

```
    .con{
```

```
      display: flex;
```

```
      justify-content: center;
```

```
      align-items: center;
```

```
    }
```

```
    .fab{
```

```
      margin: 10px;
```

```
    }
```

```
  </style>
```

```
    <!-- Bootstrap CSS -->
```

```
  <link rel="stylesheet"
```

```
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
```

```
    integrity="sha384-
```

```
JcKb8q3iqJ61gNV9KgB8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
```

```
    crossorigin="anonymous">
```

```
</head>
```

College Portal Using Python CGI

```
<body>
```

```
  <div class="bg"></div>
```

```
<nav class="nav">
```

```
  
```

```
<ul class="nav-bar">
```

```
  <li><a href="/college/index.html">Home</a></li>
```

```
  <li><a href="/college/contact.py"> Contact Us </a></li>
```

```
  <li><a href="/college/login.html"> LogIn </a></li>
```

```
  <li><a href="/college/register.html"> Register </a></li>
```

```
  <li><a href="/college/admin.html"> Admin </a></li>
```

```
</ul>
```

```
</nav>
```

```
<h1> Welcome To our College </h1>
```

```
<div id="carouselExampleFade" class="carousel slide carousel-fade" data-ride="carousel">
```

```
  <div class="carousel-inner">
```

```
    <div class="carousel-item active">
```

```
      
```

```
    </div>
```

```
    <div class="carousel-item">
```

College Portal Using Python CGI

```

</div>
</div>
<a class="carousel-control-prev" href="#carouselExampleFade" role="button"
data-slide="prev">
    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
    <span class="sr-only">Previous</span>
</a>
<a class="carousel-control-next" href="#carouselExampleFade" role="button"
data-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="sr-only">Next</span>
</a>
</div>
<div class="container">
<h3>You If you are a student You Can login Or Resgister. For Admin login Please
goto Admin page.</h3>
</div>
<div class="con">
    <div style="margin: 20px;">
        <iframe width="560" height="315"
src="https://www.youtube.com/embed/osrs8UvST5A" frameborder="0"
allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope;
picture-in-picture" allowfullscreen></iframe>
        <h3 >Tips: for cracking IIT </h3>
    </div>
    <h2 > Follow Us On: <a href="https://www.facebook.com" target="_blank"> <i
class="fab fa-facebook"></i></a>
    <a href="https://www.instragram.com" target="_blank"><i class="fab fa-
instagram"></i></a>
```

College Portal Using Python CGI

```
<a href="https://www.reddit.com" target="_blank" ><i class="fab fa-reddit-
alien"></i></a>

</h2>

</div>

<script src="https://kit.fontawesome.com/2f47edd958.js"
crossorigin="anonymous"></script>

</body>

<!-- Optional JavaScript -->

    <!-- jQuery first, then Popper.js, then Bootstrap JS -->

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>

    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
integrity="sha384-
9/reFTGAW83EW2RDu2S0VVKalzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN"
crossorigin="anonymous"></script>

    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPIYxofvL8/KUEfYiJOMMV+rV"
crossorigin="anonymous"></script>

    <script src="https://unpkg.com/swiper/swiper-bundle.js"></script>

    <script src="https://unpkg.com/swiper/swiper-bundle.min.js"></script>

</html>
```

➤ adminnav.html

```
<div class="bg"></div>
```


College Portal Using Python CGI

```
<nav class="nav">
```

```
<div class="dropdown">
```

```
<i class="dropbtn fas fa-user-circle" style="
```

```
font-size: 3rem;
```

```
margin-right: 10px;
```

```
margin-top: 0;
```

```
cursor: pointer;
```

```
color: black;"></i>
```

```
<div class="dropdown-content">
```

```
<a href="/college/profile.html">Change Profile</a>
```

```
<a href="/college/">Log Out</a>
```

```
</div>
```

```
</div>
```

```
<ul class="nav-bar">
```

```
<li><a href="/college/students.py">students</a></li>
```

```
<li><a href="/college/staff.py">staffs</a></li>
```

```
<li><a href="/college/publish_notice.html">publish notice</a></li>
```

```
<li><a href="/college/contact.py"> Contact Us </a></li>
```

```
</ul>
```

```
</nav>
```

➤ style.css

College Portal Using Python CGI

```
@import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@700&display=swa
p');

*{
    margin: 0;
    padding: 0;
    font-family: 'Roboto', sans-serif;
}

h1{
    text-align: center;
    margin: 5px;
    font-size: 3rem;
    text-align: center;
    color: black;
    /* font-size: 8em; */
    /* transition: 0.5s; */
    text-shadow: 0 1px 0 #ccc, 0 2px 0 #ccc,
                0 3px 0 #ccc, 0 4px 0 #ccc,
                0 5px 0 #ccc, 0 6px 0 #ccc,
                0 7px 0 #ccc, 0 8px 0 #ccc,
                0 9px 0 #ccc, 0 10px 0 #ccc,
                0 11px 0 #ccc, 0 12px 0 #ccc,
                0 20px 30px rgba(0, 0, 0, 0.5);
}

.container{
```

College Portal Using Python CGI

```
margin-top: 20px;

display: flex;

width: 100%;

height: 100%;

align-items: center;

justify-content: center;

flex-direction: column;

/*border: 2px solid black*/

}

form{

    display: flex;

    flex-direction: column;

    padding: 5;

    margin: 50px 0;

    align-items: center;

    justify-content: center;

}

form input{

    margin: 5px 0;

    padding: 5px;

    font-size: 1.2rem;

    border-radius: 10px;

    outline: none;

    /*border: none;*/

    background: none;

    /*border-bottom: 2px solid black;*/

    width: 25vw;
```

College Portal Using Python CGI

```
text-align: center;

}

.btn{
    outline: none;
    border: none;
    border-radius: 20px;
    font-size: 1.2rem;
    width: 124px;
    padding: 5px;
    margin: 5px;
    cursor: pointer;
}

.btn:hover{
    background: black;
    color: white;
}

.center{
    text-align: center;
    margin: 10px;
}

}

.nav{
    display: flex;
    list-style: none;
    /* background-color: red; */
```

College Portal Using Python CGI

```
align-items: center;
justify-content: space-between;
height: 49px;
}
.nav-bar{
    display: flex;
    list-style: none;

    align-items: center;
    justify-content: center;
    height: 49px;
}
.nav-bar li a{
    margin: 5px;
    padding: 10px;
    text-decoration: none;
    color: black;
    font-size: 1.3rem;
}
.nav-bar li a:hover{

    color: white;
    background-color: black;
    border-radius: 30px;

}
```

```
.nav-bar li{
```


College Portal Using Python CGI

```
margin: 5px;
padding: 5px;
}
```

```
/* Dropdown Button */
```

```
.dropbtn {
    /* background-color: #4CAF50; */
    /* color: white; */
    padding: 16px;
    font-size: 16px;
    border: none;
}
```

```
/* The container <div> - needed to position the dropdown content */
```

```
.dropdown {
    height: 48px;
    width: 46.5px;
    position: relative;
    display: inline-block;
}
```

```
/* Dropdown Content (Hidden by Default) */
```

```
.dropdown-content {
    display: none;
    position: absolute;
    background-color: #f1f1f1;
```

College Portal Using Python CGI

```
min-width: 160px;

box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);

z-index: 1;
}

/* Links inside the dropdown */
.dropdown-content a {
    color: black;
    padding: 12px 16px;
    text-decoration: none;
    display: block;
}

/* Change color of dropdown links on hover */
.dropdown-content a:hover {background-color: #ddd;}

/* Show the dropdown menu on hover */
.dropdown:hover .dropdown-content {display: block;}

table tr td{
    text-align: center;
    padding: 5px;
}

textarea{
    margin: 5px 0px;
```

College Portal Using Python CGI

```
height: 136px;
width: 343px;
padding: 5px;
font-size: 1.2rem;
border-radius: 10px;
outline: none;
border: 2.5px solid black;
background: none;
width: 25vw;
}
.box{
    display: block;
    text-align: center;
    width: 60vw;
    margin: auto;
    margin-top: 70px;
    border: 2px solid black;
    border-radius: 20px;
    padding: 20px;
}
.bg{
    height: 100%;
    width: 100%;
    position: absolute;
    z-index: -1;
    display: block;
```

College Portal Using Python CGI

```
background: url('http://localhost/college/iit-k.jpg') no-repeat center
center/cover;

opacity: .6;

}

a{

text-decoration: none;

}
```

College Portal Using Python CGI

➤ register.html

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title>ABC COLLEGE</title>
```

```
    <link rel="stylesheet" type="text/css" href="style.css">
```

```
</head>
```

```
<body>
```

```
    <div class="bg"></div>
```

```
    <div class="container" style="margin: 0;">
```

```
        <h1>Welcome To ABC COLLEGE Register OR Login to Continue.</h1>
```

```
        <form method="post" action="signup.py">
```

```
            <input type="name" name="name" placeholder="Your Name">
```

```
            <input type="email" name="email" placeholder="Your Email">
```

```
            <input type="text" name="stream" placeholder="Your Branch">
```

```
            <span>ALL IN CAPITAL LETTERS</span>
```

```
            <input type="password" name="password" placeholder="Your  
Password">
```

```
            <input type="number" name="roll" placeholder="Your Roll N.O.">
```

```
            <span>Remember roll n.o. cannot be changed</span>
```

```
            <input type="password" name="C-code" placeholder="Your College  
Code">
```

```
            <button type="submit" class="btn">SignUp</button>
```

```
            <span class="center">Already Registered? <a  
href="login.html">login</a></span>
```

```
        </form>
```

```
    </div>
```


College Portal Using Python CGI

</body>

</html>

➤ signup.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
import mysql.connector

try:

db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db
="college")
    cursor=db.cursor()
    data=cgi.FieldStorage()
    name=data.getvalue('name')
    roll=int(data.getvalue('roll'))
    email=data.getvalue('email')
    password=data.getvalue('password')
    stream=data.getvalue('stream')
    code=data.getvalue('C-code')
    if code=='ariyo2007':

        sql_query="insert into students values('%s', '%s', '%s', '%s',
%d)"%(name, email, stream, password, roll)
        cursor.execute(sql_query)
        db.commit()
        print("""
<link rel="stylesheet" type="text/css" href="style.css">
```

College Portal Using Python CGI

```
<h1 class='center'>You are successfully Registered Up <a style='text-
decoration:none;' href='main.py'> Click Here</a></h1>
    """)
else:
    print("""<link rel="stylesheet" type="text/css" href="style.css">
    <h1 class='center'>Wrong code</h1>""")
except Exception as e:
    print(e)
```

➤ login.html

```
<!DOCTYPE html>

<html>

<head>

    <title>ABC COLLEGE</title>

    <link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

    <div class="bg"></div>

    <div class="container" style="margin: 0;">

        <h1>Welcome To ABC COLLEGE Register OR LogIn to Continue.</h1>

        <form method="post" action="login.py">

            <input type="email" name="email" placeholder="Your Email">

            <input type="text" name="name" placeholder="Your Name">

            <input type="password" name="password" placeholder="Your
Password">

            <button type="submit" class="btn">LogIn</button>
```

College Portal Using Python CGI

```
<span class="center">Not Registered? <a  
href="index.html">Register</a></span>
```

```
</form>
```

```
</div>
```

```
</body>
```

```
</html>
```

➤ login.py

```
#!C:\Users\Public\python\python.exe  
print("Content-type:text/html\r\n\r\n")
```

```
import cgi
```

```
import mysql.connector
```

```
try:
```

```
db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db  
="college")
```

```
    cursor=db.cursor()
```

```
    data=cgi.FieldStorage()
```

```
    email=data.getvalue('email')
```

```
    password=data.getvalue('password')
```

```
    sql_query="select * from students where email='%s' and  
password='%s'"%(email, password)
```

```
    cursor.execute(sql_query)
```

```
    result=cursor.fetchone()
```

```
    db.commit()
```

```
    name=data.getvalue('name')
```

```
    if result != None:
```

```
        print(f'<link rel="stylesheet" type="text/css" href="style.css">
```

```
        <h1 class='center'>You are successfully LoggedIn <a style='text-  
decoration:none;' href='main.py/?name={name}'> Click Here</a></h1>')
```

```
    else:
```

College Portal Using Python CGI

```
print("""<link rel="stylesheet" type="text/css" href="style.css">
<h1 class='center' style='color:red;'>Wrong Details!!!!</h1>""")
db.close()
cursor.close()
except Exception as e:
    print(e)
```

➤ main.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
import mysql.connector
data=cgi.FieldStorage()
name=data.getvalue('name')

style=open('style.css', 'r')
nav=open('nav.html', 'r')
if name==None:
    name=' '
print(f"""
<style>{style.read()}</style>
{nav.read()}

<title>
ABC COLLAGE
</title>
<h1 class='center '>Welcome {name} To ABC COLLEGE </h1>
<div class='box'><h2> Welcome {name} To Our College
Portal</h2><p>Lorem ipsum dolor sit amet consectetur adipisicing elit.
Autem laudantium tenetur recusandae officiis porro, repellat, eius quas
earum deserunt sapiente ut vel! Asperiores quaerat commodi nihil fuga aut
quas facere temporibus? Quia, delectus. Distinctio! </p> </div>

```

College Portal Using Python CGI

```
<div class='box'><h2>!!! {name} Best Of Luck For Exams!!!</h2><p>Lorem  
ipsum dolor sit amet consectetur adipisicing elit. Autem laudantium tenetur  
recusandae officiis porro, repellat, eius quas earum deserunt sapiente ut vel!  
Asperiores quaerat commodi nihil fuga aut quas facere temporibus? Quia,  
delectus. Distinctio! </p> </div>  
<script src="https://kit.fontawesome.com/2f47edd958.js"  
crossorigin="anonymous"></script>  
""")  
style.close()  
  
nav.close()
```

➤ notices.py

```
#!C:\Users\Public\python\python.exe  
print("Content-type:text/html\r\n\r\n")  
import cgi  
import mysql.connector  
data=cgi.FieldStorage()  
db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db="c  
ollege")  
cursor=db.cursor()  
  
sql="select * from notices"  
cursor.execute(sql)  
  
result=cursor.fetchall()  
db.commit()  
style=open('style.css', 'r')  
nav=open('nav.html', 'r')  
  
print(f"""  
<style>{style.read()}</style>  
{nav.read()}  
  
<title>  
ABC COLLEGE
```


College Portal Using Python CGI

```
</title>
<h1 class='center'> Notices</h1>
<script src="https://kit.fontawesome.com/2f47edd958.js"
crossorigin="anonymous"></script>
"""
print("""<table border="1" align="center">
<tr>
<td><h3>Notice id</h3></td>
<td><h3>Name</h3></td>
<td><h3>Description</h3></td>
<td><h3>Publish Date</h3></td>
</tr>

"""
for i in range(len(result)):
    print("""
    <tr>
    """
    for j in result[i]:
        print("""
        <td>""")

        print(j)
        print("""
        </td>""")
    print("""
    </tr>
    """)
print("""</table>""")
style.close()
nav.close()
db.close()
cursor.close()
```

➤ profile.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
```

College Portal Using Python CGI

```
import mysql.connector
db=mysql.connector.connect(host="127.0.0.1",user="root",password="",
db="college")
cursor=db.cursor()
data=cgi.FieldStorage()
roll=int(data.getvalue('roll'))
sql_query="select * from students where roll='%d'%%(roll)
cursor.execute(sql_query)
result=cursor.fetchone()
db.commit()
# print(result)
print(f"""
<h1> Welcome {result[0]}</h1>
<link rel="stylesheet" href="/college/style.css">
<form method="post" action="/college/update.py?roll={roll}">
<input type="email" name="email" value="{result[1]}"
placeholder="Your email here">
<input type="name" name="name" value="{result[0]}" placeholder="Your
Name here">
<input type="text" name="stream" value="{result[2]}"
placeholder="Your stream here">
<input type="password" name="password" value="{result[3]}"
placeholder="Your Password here">
<button class="btn" type="submit">Change</button>
<a href="/college/main.py">Cancel</a>
</form>
""")
```

➤ admin.html

```
<!DOCTYPE html>
<html>
<head>
    <title>ABC COLLEGE</title>
    <link rel="stylesheet" type="text/css" href="style.css">
</head>
```

College Portal Using Python CGI

```
<body>
  <div class="bg"></div>
  <div class="container" style="margin: 0;">
    <h1>Welcome To ABC COLLEGE Admin panel LogIn to Continue.</h1>
    <form method="post" action="admin.py">
      <input type="email" name="email" placeholder="Your Email">
      <input type="password" name="password" placeholder="Your
Password">

      <button type="submit" class="btn">LogIn</button>

    </form>

  </div>
</body>
</html>
```

➤ admin.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
import mysql.connector
try:

db=mysql.connector.connect(host="127.0.0.1",user="root",password=""
d="",db="college")
    cursor=db.cursor()
    data=cgi.FieldStorage()
    email=data.getvalue('email')
    password=data.getvalue('password')

    sql_query="select * from admin where email='%s' and
password='%s'"%(email, password)
    cursor.execute(sql_query)
    result=cursor.fetchone()
    db.commit()
```

College Portal Using Python CGI

```
name=data.getvalue('name')
if result != None:
    print(f"""<link rel="stylesheet" type="text/css"
href="style.css">
    <h1 class='center'>You are successfully LoggedIn <a style='text-
decoration:none;' href='adminin.py/?name={name}'> Click
Here</a></h1>""")
else:
    print("""<link rel="stylesheet" type="text/css"
href="style.css">
    <h1 class='center' style='color:red;'>Wrong
Details!!!!</h1>""")
    db.close()
    cursor.close()
except Exception as e:
    print(e)
```

➤ adminin.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
import mysql.connector
data=cgi.FieldStorage()
name=data.getvalue('name')

style=open('style.css', 'r')
nav=open('adminnav.html', 'r')
if name==None:
    name=' '
    print(f"""
<style>{style.read()}</style>
{nav.read()}

<title>
```

College Portal Using Python CGI

ABC COLLAGE

</title>

<h1 class='center '>Welcome {name} To ABC COLLEGE </h1>

<div class='box'><h2> Welcome {name} To Our College

Portal</h2><p>Lorem ipsum dolor sit amet consectetur adipisicing elit.

Autem laudantium tenetur recusandae officiis porro, repellat, eius quas earum deserunt sapiente ut vel! Asperiores quaerat commodi nihil fuga aut quas facere temporibus? Quia, delectus. Distinctio! </p> </div>

<div class='box'><h2>!!! {name} Best Of Luck For

Exams!!!</h2><p>Lorem ipsum dolor sit amet consectetur adipisicing

elit. Autem laudantium tenetur recusandae officiis porro, repellat, eius

quas earum deserunt sapiente ut vel! Asperiores quaerat commodi nihil fuga aut quas facere temporibus? Quia, delectus. Distinctio! </p> </div>

<script src="https://kit.fontawesome.com/2f47edd958.js"

crossorigin="anonymous"></script>

""")

style.close()

nav.close()

➤ adminnav.html

<div class="bg"></div>

<nav class="nav">

<div class="dropdown">

<i class="dropbtn fas fa-user-circle" style="

font-size: 3rem;

margin-right: 10px;

margin-top: 0;

cursor: pointer;

color: black;"></i>

<div class="dropdown-content">

Change Profile

College Portal Using Python CGI

Log Out

</div>

</div>

<ul class="nav-bar">

students

staffs

publish notice

 Contact Us

</nav>

➤ publish_notice.html

<!DOCTYPE html>

<html>

<head>

<title>ABC COLLEGE</title>

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body>

<div class="bg"></div>

<div class="container" style="margin: 0;">

<h1>Publish notice ABC COLLEGE.</h1>

<form method="post" action="publish.py">

<input type="text" name="notice_id" placeholder="Unique
Notice ID">

<input type="text" name="heading" placeholder="Heading">

<input type="text" name="content" placeholder="Content">

<input type="date" name="publish_date"

placeholder="publish date">

<button type="submit" class="btn">PUBLISH</button>

College Portal Using Python CGI

```
<span class="center"><a href="notices.py">View
notices</a></span>
<span class="center"><a href="editnotice.py">Edit
notices</a></span>
</form>

</div>
</body>
</html>
```

➤ publish.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")

import cgi

import mysql.connector

try:

db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db="c
ollege")

cursor=db.cursor()

data=cgi.FieldStorage()

heading=data.getvalue('heading')

content=data.getvalue('content')

publish_date=data.getvalue('publish_date')

sql_query="insert into notices values('%s', '%s', '%s')"%(heading , content,
publish_date )

cursor.execute(sql_query)

db.commit()

print("""
```

College Portal Using Python CGI

```
<link rel="stylesheet" type="text/css" href="style.css">

<h1 class='center'>SUCCEFULLY published<a style='text-decoration:none;'
href='notices.py'> Click Here to view</a></h1>

"""
```

except Exception as e:

```
print(e)
```

➤ contact.py

```
#!C:\Users\Public\python\python.exe
```

```
print("Content-type:text/html\r\n\r\n")
```

```
import cgi
```

```
style=open('style.css', 'r')
```

```
nav=open('nav.html', 'r')
```

```
print(f"""
```

```
<style>{style.read()}</style>
```

```
{nav.read()}
```

```
<title>
```

```
IIT Kolkata
```

```
</title>
```

```
<h1 class='center '>Contact Us</h1>
```

```
<form method="post" action="send_mail.py">
```


College Portal Using Python CGI

```
<input type="name" style="width: 29rem;" name="name"
placeholder="Your Name">

<input type="email" style="width: 29rem;" name="email"
placeholder="Your Email">

<input type="number" style="width: 29rem;" name="roll"
placeholder="Your Roll N.O.">

<textarea style="width: 29rem;" name="reason" placeholder="Reason for
contacting"></textarea>

<button type="submit" class="btn">Submit</button>

</form>

<script src="https://kit.fontawesome.com/2f47edd958.js"
crossorigin="anonymous"></script>

""")

style.close()

nav.close()
```

➤ students.py

```
#!C:\Users\Public\python\python.exe

print("Content-type:text/html\r\n\r\n")

import cgi

import mysql.connector

data=cgi.FieldStorage()

db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db="c
ollege")

cursor=db.cursor()

sql="select * from students"

cursor.execute(sql)

result=cursor.fetchall()
```

College Portal Using Python CGI

```
db.commit()

style=open('style.css', 'r')
nav=open('adminnav.html', 'r')

print(f"""
<style>{style.read()}</style>
{nav.read()}

<title>
ABC COLLEGE
</title>
<h1 class='center'> students</h1>
<script src="https://kit.fontawesome.com/2f47edd958.js"
crossorigin="anonymous"></script>
""")
print("""<table border="1" align="center">
<tr>
<td><h3>Name</h3></td>
<td><h3>email</h3></td>
<td><h3>stream</h3></td>
<td><h3>password</h3></td>
<td><h3>roll</h3></td>
</tr>

""")
for i in range(len(result)):
    print("""
    <tr>
```

College Portal Using Python CGI

```
        """)
    for j in result[i]:
        print("""
        <td>""")

        print(j)
        print("""
        </td>""")
    print("""
    </tr>
    """)
print("""</table>""")
style.close()
nav.close()
db.close()
cursor.close()
```

➤ update.py

```
#!C:\Users\Public\python\python.exe
print("Content-type:text/html\r\n\r\n")
import cgi
import mysql.connector

db=mysql.connector.connect(host="127.0.0.1",user="root",password="",db="college")
cursor=db.cursor()
data=cgi.FieldStorage()
```

College Portal Using Python CGI

```
name=data.getvalue("name")
roll=int(data.getvalue("roll"))
stream=data.getvalue("stream")
email=data.getvalue("email")
password=data.getvalue("password")

sql="update students set name='%s',email='%s',password='%s',stream='%s' where
roll=%d"%(name,email,password,stream,roll)

#delete from student where roll=%d and email='%s'

cursor.execute(sql)

db.commit()

nav=open('nav.html', 'r')

print(f"""

<link rel="stylesheet" href="/college/style.css">

{nav.read()})

<h2 class="center" style="color: green; margin: 30px;"> Updated Successfully Now
You Can Go to

<a href="/college/main.py?name={name}">DashBoard</a>

</h2>

<script src="https://kit.fontawesome.com/2f47edd958.js"
crossorigin="anonymous"></script>

""")

nav.close()

db.close()

cursor.close()
```

College Portal Using Python CGI

8. CONCLUSION :

We have designed our very own web page. Not only we have learned the design aspects of web development, but we have also learned how to program in HTML. Through evaluating many different web sites, we are aware of what is effective and ineffective to viewers when designing a website too. Through this hands-on project we were able to see how well we have understood the material presented, and our critical thinking as we have developed the Ecommerce site. we were also able to show our creative side, through the layout and design of our project. As a team we were able to use our problem-solving skills to troubleshoot errors when something did not work the way we intended.