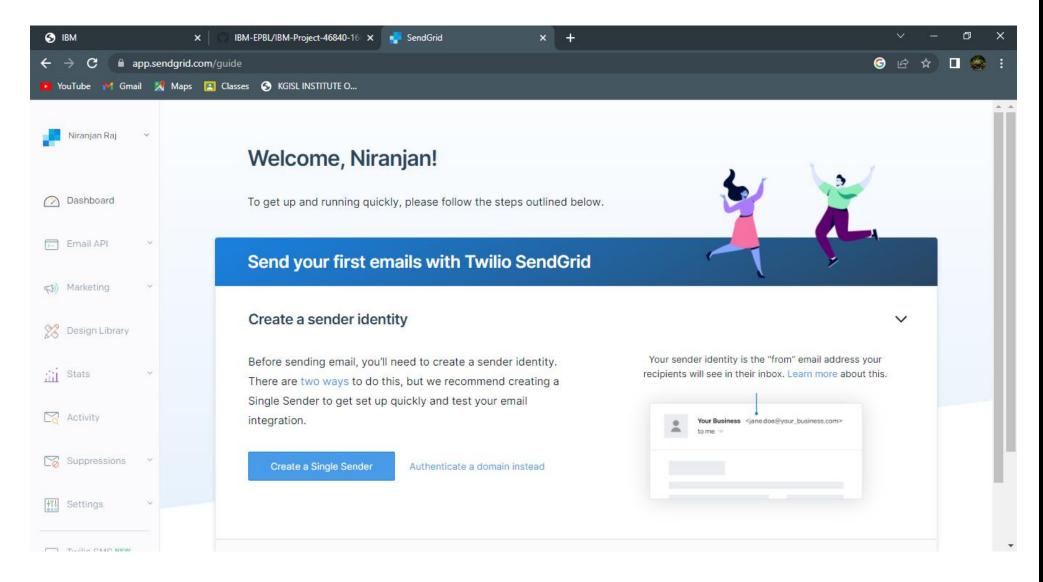
Integrating SendGrid Service SendGrid

Integration With Python Code

Date	15 November, 2022
Team ID	PNT2022TMID31636
Project Name	Plasma Donor Application

Creating an SendGrid Account:



mail.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Mail Port</title>
</head>
<body>
  <center>
  <div class="email" >
    <form name="mail">
       From: <input type="text" value="niranjanr046@gmail.com">
       <hr>>
       To: <input type="text" value="">
       <br/>br>
       Message : <br>
       <textarea name="msg" rows="6" cols="20" ></textarea><br>
       <center>
         <!-- <input type="send" value=" &nbsp; &nbsp; &nbsp; &nbsp; Send"> -->
         <button type="button" class="btn btn-primary">Send</button></center>
    </form>
  </div>
</center>
<a href="/admin">
  <button style="margin-left: 20px;" type="button" class="btn btn-success">Go Back</button></a>
</body>
<style>
```

```
body{
    background-image: url('https://model001.s3.jp-tok.cloud-object-storage.appdomain.cloud/101304060-72ff5b00-380d-
11eb-8c58-a3172d791c9c.jpeg');
    background-repeat: no-repeat;
    background-size: cover;
  input[type=button], input[type=send], input[type=reset] {
  background-color: #04AA6D;
  border: none;
  color: white;
  padding: 12px 20px;
  text-decoration: none;
  margin: 4px 2px;
  cursor: pointer;
  form{
    margin-top: 150px;
        width: 35rem;
        height: 22rem;
        display: flex;
        flex-direction: column;
        background: rgba(255,255,255,0.06);
        box-shadow: 0 8px 32px 0 rgba(31,38,135,.40);
        border-radius: 35px;
        border: 1px solid rgba(255,255,255,0.3);
    font-family: Calibri;
/* color:white; */
    font-size: 11pt;
    font-style: normal;
    font-weight: bold;
```

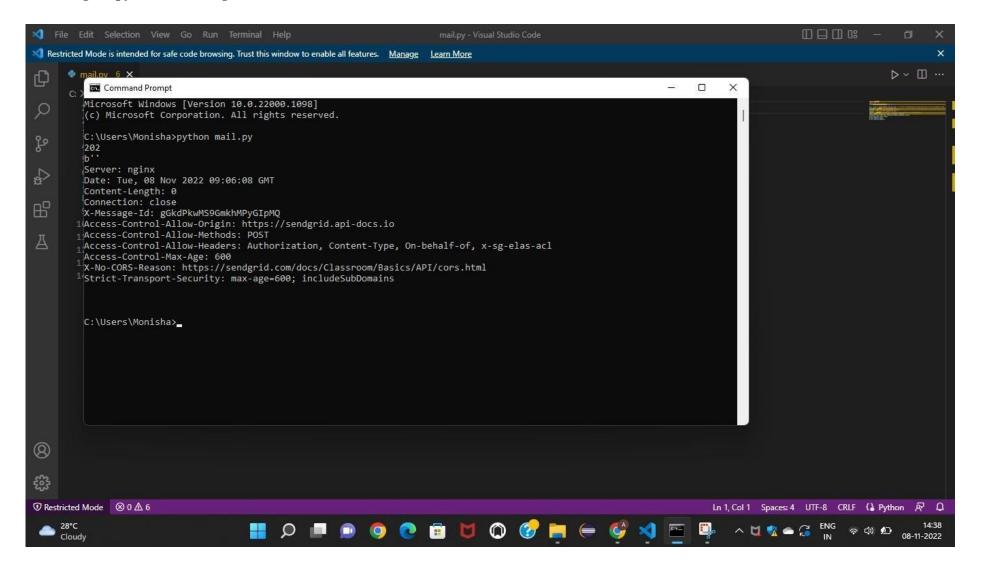
```
/* text-align:; */
    background-color: none;
    border-collapse: collapse;
    border: none;
    border-radius: 15px;
  form .input{
    margin-left: 10px;
  input[type=text] {
  width: 100%;
  padding: 12px 20px;
  margin: 8px 0;
  box-sizing: border-box;
  input[type=text]:focus {
  border: 3px solid #555;
</style>
</html>
```

Creating a Virtual Environment "Email Test" and creating mail.py file with the following code inside the virtual environment

```
import sendgrid
import os
from sendgrid.helpers.mail import *

sg = sendgrid.SendGridAPIClient(api_key= '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' )
from_email = Email("godsonrajr@gmail.com")
to_email = To("godsonrajr@1@gmail.com")
subject = "IBM project is in phase of final stage"
content = Content("text/plain", "and easy to do anywhere, even with Python")
mail = Mail(from_email, to_email, subject, content)
response = sg.client.mail.send.post(request_body=mail.get())
print(response.status_code)
print(response.body)
print(response.headers)
```

Running the python file through the terminal



Test mail received via SendGrid

