

## Integrating SendGrid Service

### SendGrid Integration with Python Code

Team ID	PNT2022TMID31287
Project Name	Containment Zone Alerting Application

#### Sendgrid Integration with Python Code:

```
import sendgrid

import os

from sendgrid.helpers.mail import Mail, Email, To, Content

sg = sendgrid.SendGridAPIClient(api_key='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')

from_email = Email("19csjencys@drngpit.ac.in") # Change to your verified sender

to_email = To("19csajaykumarj@drngpit.ac.in") # Change to your recipient

subject = "Sending with SendGrid is Fun"
```

```
content = Content("text/plain", "and easy to do anywhere, even with Python")
```

```
mail = Mail(from_email, to_email, subject, content)
```

```
# Get a JSON-ready representation of the Mail object
```

```
mail_json = mail.get()
```

```
# Send an HTTP POST request to /mail/send
```

```
response = sg.client.mail.send.post(request_body=mail_json)
```

```
print(response.status_code)
```

```
print(response.headers)
```

```
except Exception as e:
```

```
    print(e.message)
```

```
1 # using SendGrid's Python Library
2 # https://github.com/sendgrid/sendgrid-python
3 import os
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6
7 message = Mail(
8     from_email='from_email@example.com',
9     to_emails='to@example.com',
10    subject='Sending with Twilio SendGrid is Fun',
11    html_content='<strong>and easy to do anywhere, even with Python</strong>')
12 try:
13     sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
14     response = sg.send(message)
15     print(response.status_code)
16     print(response.body)
17     print(response.headers)
18 except Exception as e:
19     print(e.message)
```