

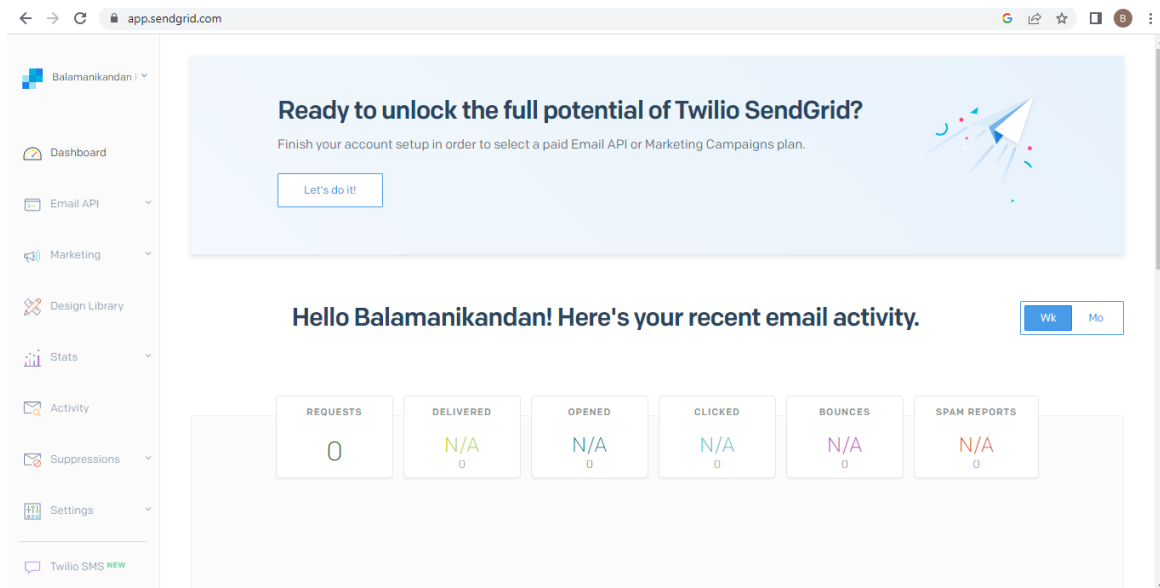
## Integrating SendGrid Service

### SendGrid Integration With Python Code

Team ID	PNT2022TMID11463
Project Name	Containment Zone Alerting Application

SendGrid Integration With Python Code:

#### SendGrid Homepage:



#### Config.ini:

[SETTINGS]

APIKEY=SG.1Atw1uidpO.....9WWFKr7T3A

FROM=bala34510@gmail.com

TO=bala3212345@gmail.com

**Sendmail.py:**

```
import configparser

import ssl

ssl._create_default_https_context = ssl._create_unverified_context

from sendgrid import SendGridAPIClient

from sendgrid.helpers.mail import Mail

config = configparser.ConfigParser()

config.read("config.ini")

def sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content):

    if API!=None and from_email!= None and len(to_emails)>0:

        message = Mail(from_email,to_emails,subject,html_content)

        try:

            sg = SendGridAPIClient(API)

            response = sg.send(message)

            print(response.status_code)

            print(response.body)

            print(response.headers)

        except Exception as e:

            print(e.message)

try:

    settings = config["SETTINGS"]

except:

    settings = {}

API = settings.get("APIKEY",None)

from_email = settings.get("FROM",None)

to_emails = settings.get("TO","")
```

```
subject = "testing of sendgrid"
```

```
html_content = "Message successfully send through Python sendgrid"
```

```
sendMailUsingSendGrid(API,from_email,to_emails,subject,html_content)
```

### SendGrid Mail Output:

