#### INTEGRATING SENDGRID SERVICE

#### SENDGRID INTEGRATION WITH PYTHON

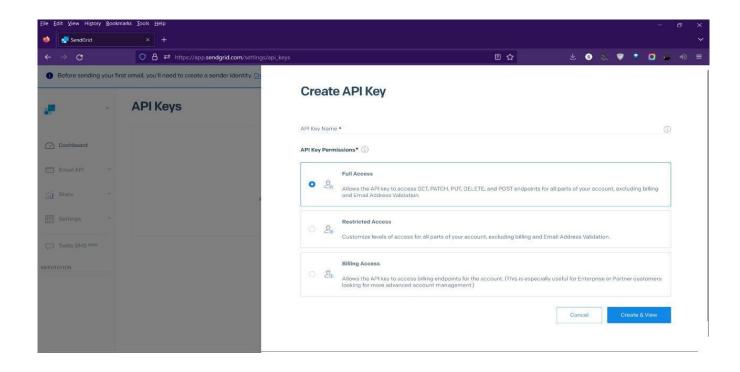
Date	25 September 2022
Team ID	PNT2022TMID54057
Project Name	Nutrition Assistant Application
Maximum Marks	4 Marks

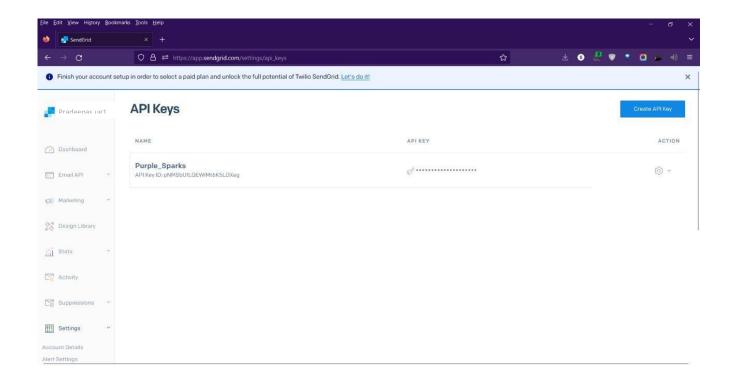
# **SENDGRID INTEGRATION WITH PYTHON:**

SendGrid's cloud-based email infrastructure relieves businesses of the cost and complexity of maintaining custom email systems. SendGrid provides reliable delivery, scalability and real-time analytics along with flexible APIs that make custom integration simple.

In Nutrition Assistant Application, SendGrid has been used for Register / Login Process.

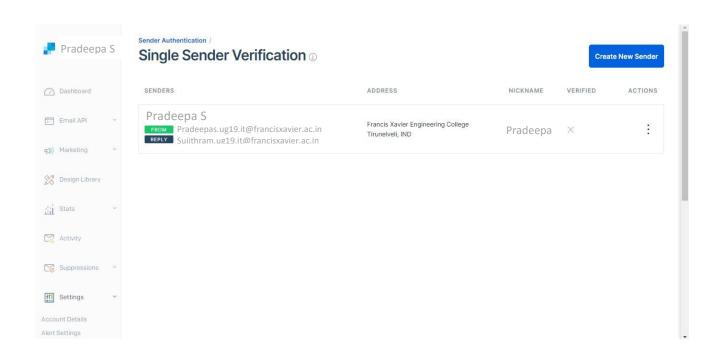
### **STEP 1: Create API Key in SendGrid**



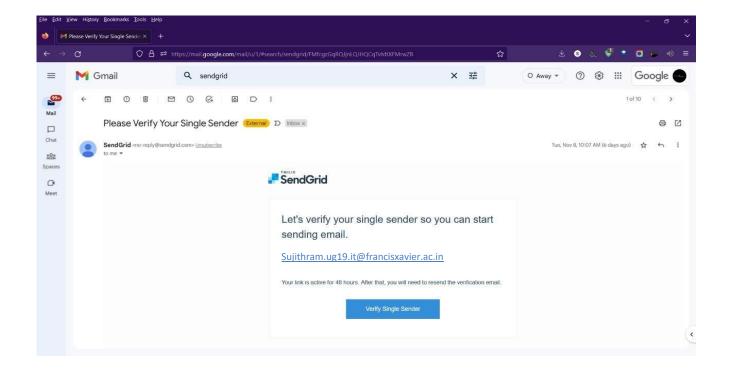


#### **STEP 2: Install SendGrid using PIP**

# **STEP 3: Create Single Sender on SendGrid**



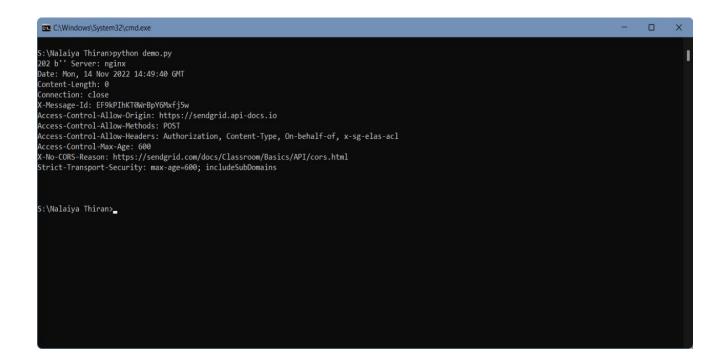
### **STEP 4: Single Sender Verification**



# **STEP 5: SendGrid Integration with Python Code**

```
*S:\Nalaiya Thiran\demo.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
emo.py
       import os
       from sendgrid import SendGridAPIClient
       from sendgrid.helpers.mail import Mail
      message = Mail(
           from email= Sujitham.ug19.it@francisxavier.ac.in
            to_emails= pradeepaS@gmail.com
            subject='Successfully Registered',
           html_content='<strong>Welcome to Purple Sparks...<br/>
') account has been successfully registered...</strong>')
      Etry:
           sg = SendGridAPIClient(os.environ.get('SENDGRID_API_KEY'))
            response = sg.send(message)
           print(response.status_code)
 14
           print(response.body)
           print(response.headers)
 16
      except Exception as e:
           print(e.message)
                                                length: 611 lines: 17
                                                                       Ln:17 Col:21 Pos:612
                                                                                                  Windows (CR LF) UTF-8
                                                                                                                          INS
Python file
```

#### **STEP 6: Run Python Code on Command Prompt**



# STEP 7: Output as Mail Successfully Send

