

OUTPUT:

The image shows a Windows desktop environment with two main applications open: Visual Studio Code and a web browser (Google Chrome).

Visual Studio Code:

- The Explorer pane on the left shows a project named "SPEECH RECOGNITION" with files "voicetotext.py" and "voicetotext.txt".
- The main editor displays the "voicetotext.py" file with the following Python code:

```
1 import speech_recognition as sr
2 import yagmail
3
4 recognizer=sr.Recognizer()
5 with sr.Microphone() as source:
6     print('Clearing background noise...')
7     recognizer.adjust_for_ambient_noise(source,duration=1)
8     print('Waiting for your message...')
9     recordedaudio=recognizer.listen(source)
10    print('Done recording.. !')
11
12    try:
13        print('Print the message..')
14        text=recognizer.recognize_google(recordedaudio,language='en-US')
15
16        print('Your message:{}'.format(text))
17    except Exception as ex:
18        print(ex)
```
- The TERMINAL pane at the bottom shows the output of the script:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS F:\Speech Recognition> & C:/Python310/python.exe "f:/Speech Recognition/voicetotext.py"
Clearing background noise...
Waiting for your message...
Done recording.. !
Print the message..
Your message:hello how are you are you fine
Password for <viswanathan1970@gmail.com>:
Save username and password in keyring? [y/n]: n
PS F:\Speech Recognition>
```

Web Browser:

- The browser shows a Gmail inbox with the subject "This is an automated mail".
- The email is from "viswanathan1970@gmail.com" and contains the text "hello how are you are you fine".
- The email is marked as "Inbox" and "1 of 413".