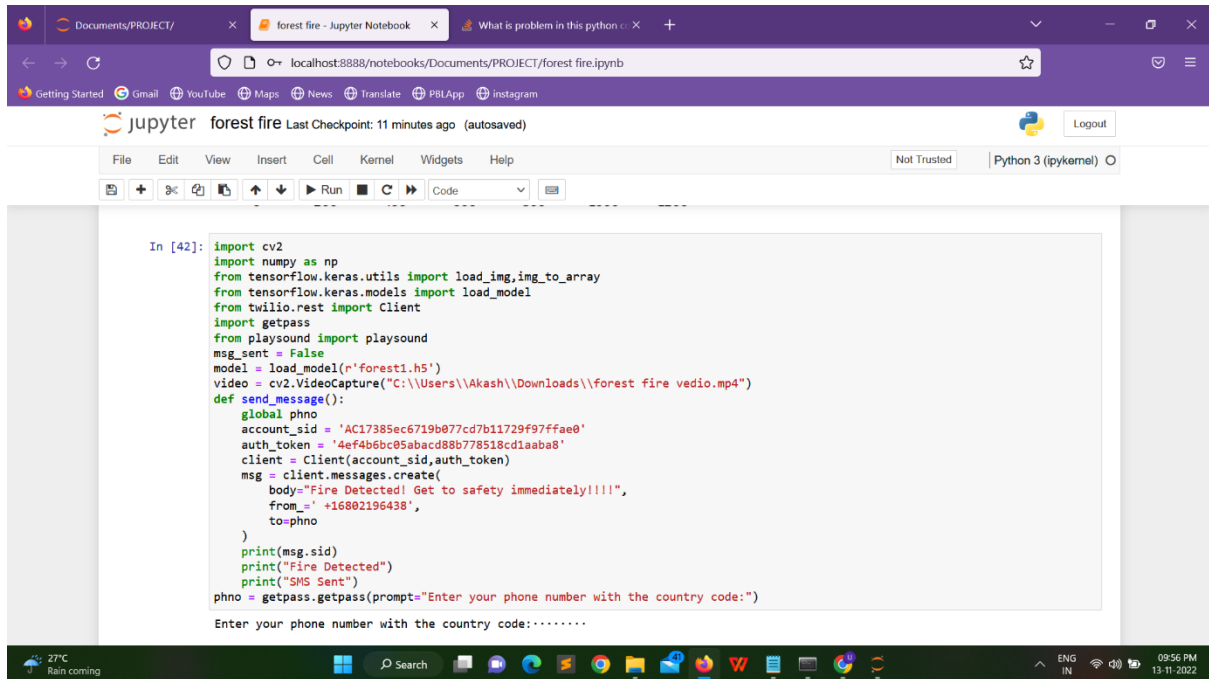


SPRINT – 3

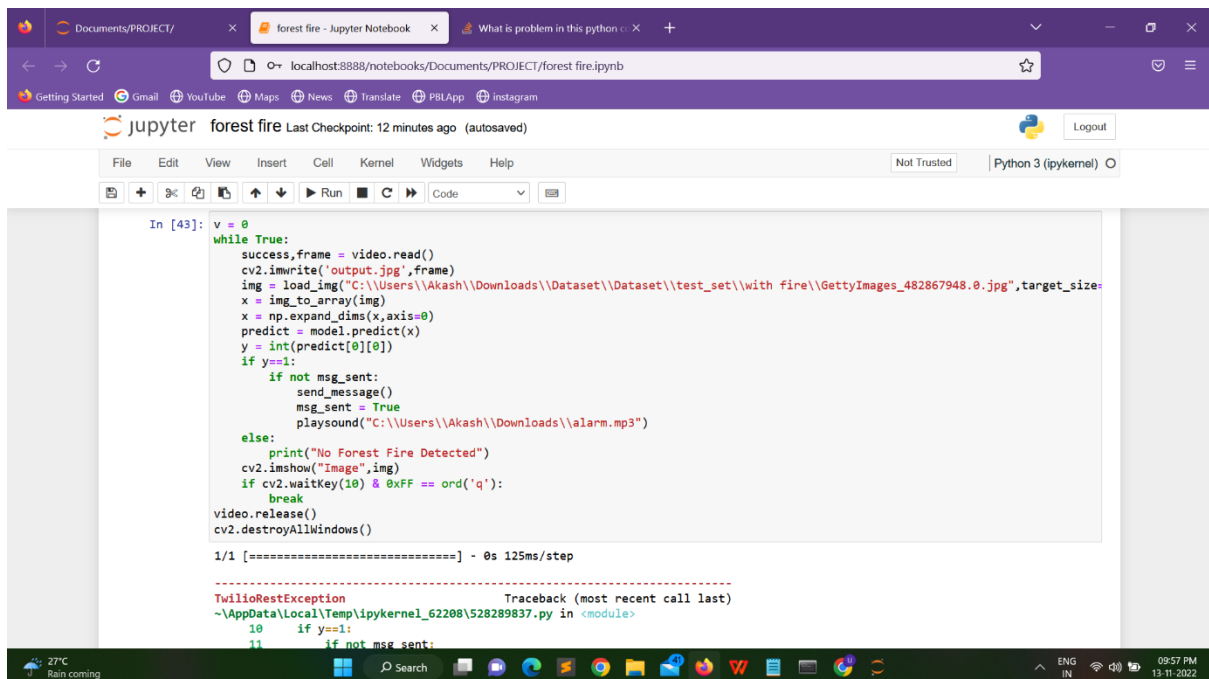
VIDEO ANALYSIS :



```
In [42]: import cv2
import numpy as np
from tensorflow.keras.utils import load_img, img_to_array
from tensorflow.keras.models import load_model
from twilio.rest import Client
import getpass
from playsound import playsound

msg_sent = False
model = load_model(r'forest1.h5')
video = cv2.VideoCapture("C:\\Users\\Akash\\Downloads\\forest fire vedio.mp4")
def send_message():
    global phno
    account_sid = 'AC17385ec6719b077cd7b11729f97ffae0'
    auth_token = '4ef4b6bc08abacd88b778518cd1aaba8'
    client = Client(account_sid, auth_token)
    msg = client.messages.create(
        body="Fire Detected! Get to safety immediately!!!!",
        from_=' +16802196438',
        to=phno
    )
    print(msg.sid)
    print("Fire Detected")
    print("SMS Sent")
phno = getpass.getpass(prompt="Enter your phone number with the country code:")

Enter your phone number with the country code:.....
```



```
In [43]: v = 0
while True:
    success, frame = video.read()
    cv2.imwrite("output.jpg", frame)
    img = load_img("C:\\Users\\Akash\\Downloads\\Dataset\\Dataset\\test_set\\with fire\\GettyImages_482867948.0.jpg", target_size=
    x = img_to_array(img)
    x = np.expand_dims(x, axis=0)
    predict = model.predict(x)
    y = int(predict[0][0])
    if y==1:
        if not msg_sent:
            send_message()
            msg_sent = True
            playsound("C:\\Users\\Akash\\Downloads\\alarm.mp3")
        else:
            print("No Forest Fire Detected")
            cv2.imshow("Image", img)
            if cv2.waitKey(10) & 0xFF == ord('q'):
                break
    video.release()
    cv2.destroyAllWindows()

1/1 [=====] - 0s 125ms/step

TwilioRestException                                Traceback (most recent call last)
~\\AppData\\Local\\Temp\\ipykernel_62208\\528289837.py in <module>
     10     if y==1:
     11         if not msg_sent:
```