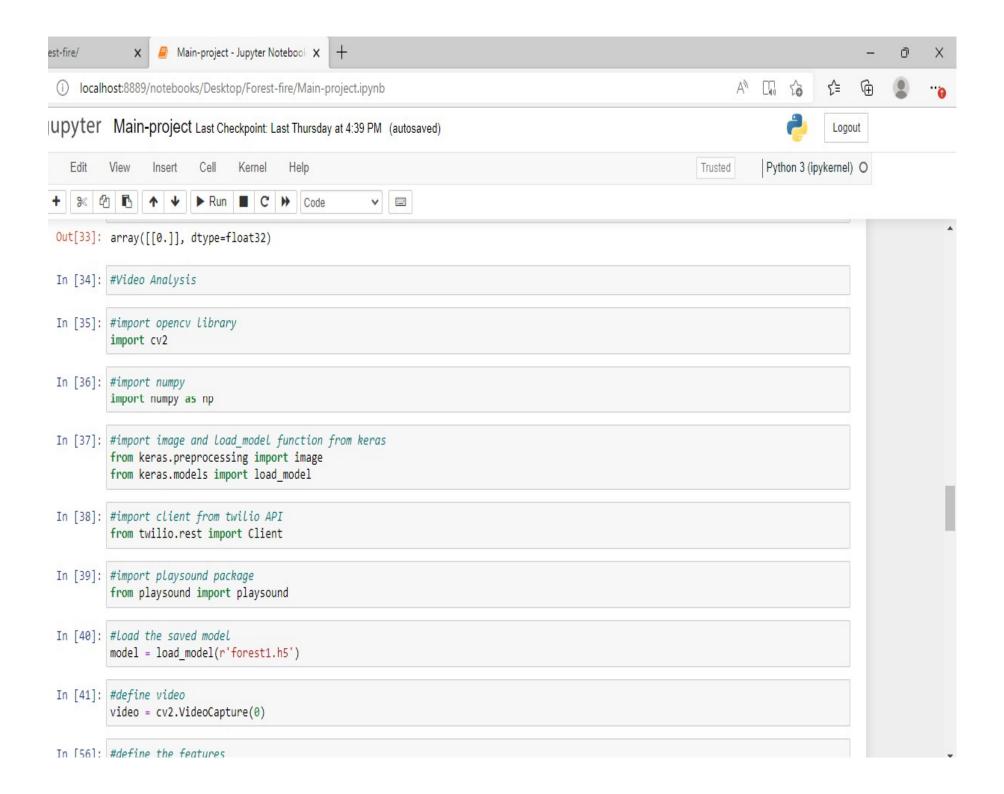
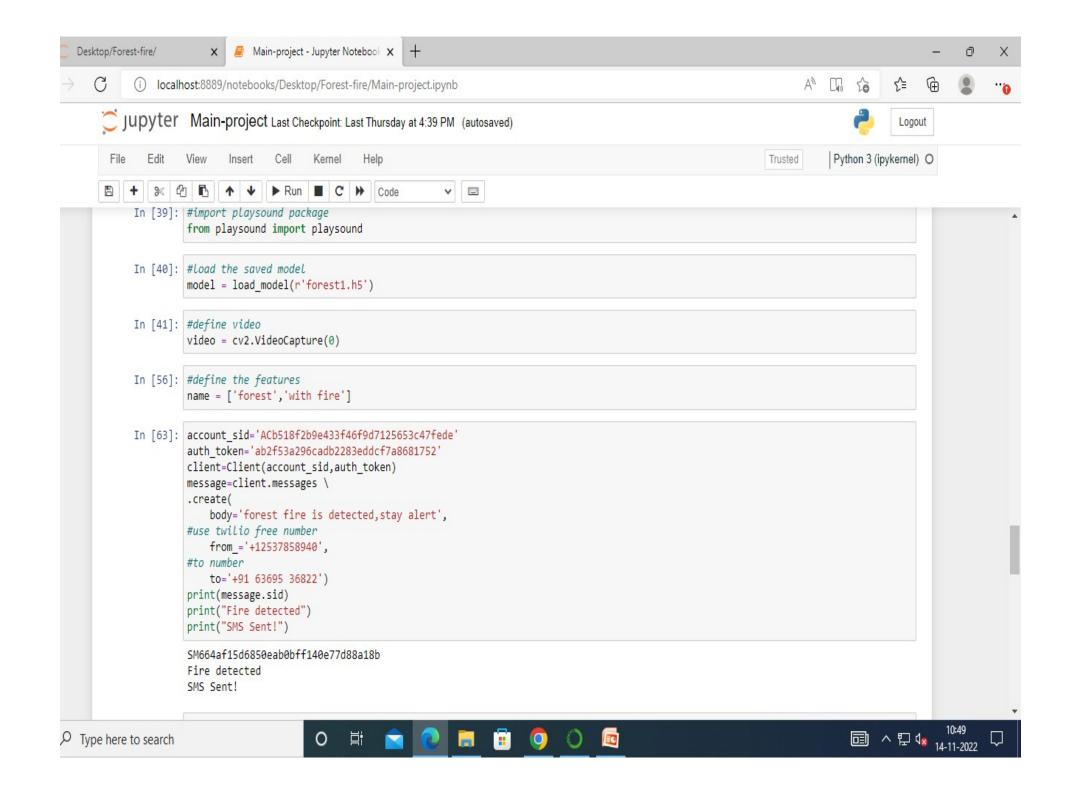
```
Requirement already satisfied: PyJWT<3.0.0,>=2.0.0 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from twilio)
2.4.0)
Requirement already satisfied: requests>=2.0.0 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from twilio) (2.28
Requirement already satisfied: idna<4,>=2.5 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from requests>=2.0.0-
>twilio) (3.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from requests>=
2.0.0->twilio) (2022.9.24)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from requ
ests>=2.0.0->twilio) (2.0.4)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\programdata\anaconda3\envs\tf\lib\site-packages (from request
s>=2.0.0->twilio) (1.26.12)
(tf) C:\Users\administrator.AITCS>pip install playsound
Requirement already satisfied: playsound in c:\programdata\anaconda3\envs\tf\lib\site-packages (1.3.0)
(tf) C:\Users\administrator.AITCS>
```

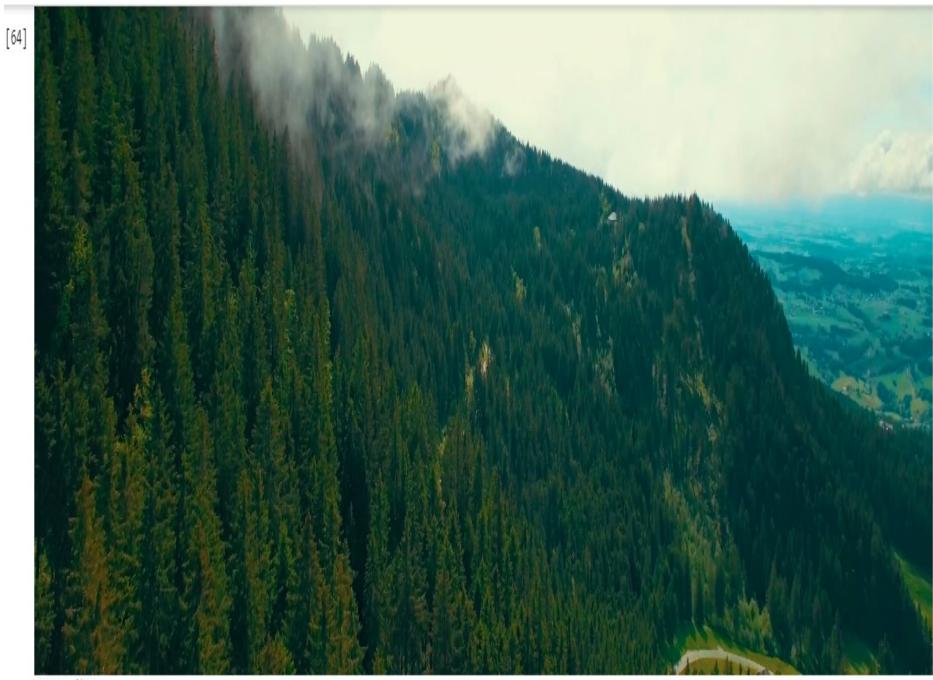
X





```
import cv2
import numpy as np
from google.colab.patches import cv2 imshow
from matplotlib import pyplot as plt
import librosa
from tensorflow.keras.preprocessing import image
from keras.models import load model
# Create a VideoCapture object and read from input file
# If the input is the camera, pass 0 instead of the video file name
cap = cv2.VideoCapture('/content/drive/MyDrive/project/forest.mp4')
# Check if camera opened successfully
if (cap.isOpened()== False):
  print("Error opening video stream or file")
# Read until video is completed
while(cap.isOpened()):
 # Capture frame-by-frame
 ret, frame = cap.read()
 if ret == True:
   x=image.img to array(frame)
   res=cv2.resize(x,dsize=(64,64),interpolation=cv2.INTER CUBIC)
    #expand the image shape
   x=np.expand dims(res,axis=0)
   model=load_model("/content/drive/MyDrive/project/Dataset/forest1.h5")
```

```
ret, trame = cap.read()
[64]
      if ret == True:
         x=image.img_to_array(frame)
         res=cv2.resize(x,dsize=(64,64),interpolation=cv2.INTER_CUBIC)
         #expand the image shape
         x=np.expand dims(res,axis=0)
         model=load_model("/content/drive/MyDrive/project/Dataset/forest1.h5")
         cv2_imshow(frame)
         #pred=model.predict(x)
         #pred = int(pred[0][0])
         #pred
         int(pred)
         if pred==0:
           print('Forest fire')
           break
         else:
           print("no danger")
           break
     # When everything done, release the video capture object
     cap.release()
     # Closes all the frames
     cv2.destroyAllWindows()
```



Forest fire

```
[62] from twilio.rest import Client
    from playsound import playsound
    if pred==0:
      print('Forest fire')
       account sid='ACb518f2b9e433f46f9d7125653c47fede'
       auth_token='ab2f53a296cadb2283eddcf7a8681752'
       client=Client(account_sid,auth_token)
      message=client.messages \
       .create(
          body='forest fire is detected, stay alert',
          #use twilio free number
          from = '+12537858940',
          #to number
          to='+91 63695 36822')
      print(message.sid)
       print("Fire detected")
       print("SMS Sent!")
     elif pred==1:
      print('No danger')
```

Forest fire SM3401464ec1275c1db59663e7cdcb54ac Fire detected SMS Sent!