VIDEO ANALYSIS

OPEN CV FOR VIDEO PROCESSING

```
[ ] pip install twilio
     Looking in Indexes: https://gygl.org/simple, https://us-python.pkg.dev/colab-wheels/gublic/simple/
    Collecting twilio
      Downloading twilio-7.15.2-py2.py3-none-any.whl (1.4 MB)
          1.4 /8 5.2 M8/s
     Requirement already satisfied: gytz in /usr/local/lib/python3.7/dist-packages (from twilio) (2022.6)
    Collecting PyJNT<3.0.0,>=2.0.0
      Downloading Py3WT-2.6.0-py3-none-any.whl (20 kB)
     Requirement already satisfied: requests>=2.8.8 in /usr/local/lib/python3.7/dist-packages (from twilio) (2.23.8)
     Requirement already satisfied: idna<3,><2.5 in /usr/local/lib/python3.7/dist-packages (from requests><2.0.0->txilio) (2.00)
     Requirement already satisfied: chardet(4,>=3.0.2 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.0->tuilio) (3.0.4)
     Requirement already satisfied: urllib3!=1.25.0,!=1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-gackages (from requests>=2.0.0->twilio) (1.24.3)
     Requirement already satisfied: certifi>=2817.4.17 in /usr/local/lib/python3.7/dist-packages (from requests>=2.0.8->tuilio) (2822.9.24)
     Installing collected packages: PyJWT, txilio
     Successfully installed PyJWT-2.6.0 txilio-7.15.2
[ ] pip install playsound
     Looking in Indexes: https://gwgl.org/simple, https://us-python.pkg.dev/colab-wheels/gwblic/simple/
    Collecting playsound
      Downloading playsound-1.3.0.tar.gr (7.7 kB)
     Building wheels for collected packages: playsound
      Building wheel for playsound (setup.py) ... done
      Created wheel for playsound: filename-playsound-1,3.0-py3-none-any.whl size=7005 sha256-1174df3785342b00c9f5b5d4a515a849acdfb70795c04ec87a88c095604f8aa1a8
      Stored in directory: /root/.cache/plp/wheels/ba/f8/bb/ea57c8146b654dca3a8ada4199b8ecb5f9dfcb7b7e22b65ba2
     Successfully built playsound
     Installing collected packages: playsound
     Successfully installed playsound-1.3.0
   [ ] #import opency librariy
       import cv2
       #import numpy
       import numpy as no
       #import image function from keras
       from keras.preprocessing import image
       #import load_model from keras
       from keras.models import load model
       #import client from tadlio API
       from twilip.rest import Client
       #imort playsound package
       from playsound import playsound
       WARNING:playsound:playsound is relying on another python subprocess. Please use 'pip install pygobject' if you want playsound to run more efficiently.
   [ ] #load the saved model
       model = load_model(r'/content/forest1.h5')
       #define video
       video = cv2.VideoCapture('/content/No fire video testing.mp4')
       #define the features
       name = ['forest', 'with forest']
```

SRe5c22857e585ead1ebbae53dda624868 Fire Detected SR6 sent!

OUTCOMES

