

EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

VIDEO ANALYSIS

OPEN CV FOR VIDEO PROCESSING

Date	04 November 2022
Team ID	PNT2022TMID13753
Project Name	Emerging Methods for Early Detection of Forest Fires

pip install twilio

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>

Requirement already satisfied: twilio in
/usr/local/lib/python3.7/dist-packages (7.15.1)

Requirement already satisfied: pytz in /usr/local/lib/python3.7/dist-packages
(from twilio) (2022.5)

Requirement already satisfied: requests>=2.0.0 in
/usr/local/lib/python3.7/dist-packages (from twilio) (2.23.0) Requirement

already satisfied: PyJWT<3.0.0,>=2.0.0 in
/usr/local/lib/python3.7/dist-packages (from twilio) (2.6.0) Requirement already
satisfied: urllib3!=1.25.0,!1.25.1,<1.26,>=1.21.1 in /usr/local/lib/python3.7/dist-
packages (from requests>=2.0.0->twilio) (1.24.3)

Requirement already satisfied: certifi>=2017.4.17 in
/usr/local/lib/python3.7/dist-packages (from requests>=2.0.0->twilio)

(2022.9.24)

Requirement already satisfied: idna<3,>=2.5 in

/usr/local/lib/python3.7/dist-packages (from requests>=2.0.0->twilio) (2.10)

Requirement already satisfied: chardet<4,>=3.0.2 in

/usr/local/lib/python3.7/dist-packages (from requests>=2.0.0->twilio) (3.0.4)

pip install playsound

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/simple/>

Requirement already satisfied: playsound in

/usr/local/lib/python3.7/dist-packages (1.3.0)

#import opencv library

import cv2

#import numpy

import numpy as np

#import image function from keras from keras.preprocessing import

image *#import load_model from keras*

from keras.models import load_model

#import client from twilio API from twilio.rest import

Client *#import 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("forest1.h5")

#define video video=cv2.VideoCapture(0) *#define the*

features name=['forest','with fire']