

```

import cv2
import numpy as np

from tensorflow.keras.preprocessing import image
from tensorflow.keras.models import load_model

from twilio.rest import Client
from playsound import playsound
from decouple import config

message_sent = False

model = load_model("./model.h5")

video = cv2.VideoCapture("fire.mp4")

name = ["No fire", "Fire Detected"]

playsound("./beep.mp3")

while True:
    success, frame = video.read()
    cv2.imwrite("image.jpg", frame)
    img = image.load_img("image.jpg", target_size=(128, 128))
    x = image.img_to_array(img)
    x = np.expand_dims(x, axis=0)
    pred = model.predict(x)
    p = int(pred[0][0])
    cv2.putText(frame, str(name[p]), (100, 100), cv2.FONT_HERSHEY_SIMPLEX,
1, (0, 0, 0), 1)

    if p == 1:
        if not message_sent:
            message_sent = True
            print("Fire Detected , stay safe!!!")
        else:
            print("No Fire Detected")

    cv2.imshow("Image", frame)

    if cv2.waitKey(1) & 0xFF == ord('x'):
        break

```

```
video.release()  
cv2.destroyAllWindows()
```