

Project Name	Emerging Methods for Early Detection of Forest Fires
Team ID	PNT2022MID37993
Date	4th November 2022

8h: Predict the Model

```

from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import numpy as np
import cv2

model = load_model("forest_fire.h5")
img=image.load_img(r'Dataset\Dataset\test_set\forest\0.48007200_1530881924_final_forest.jpg')
x=image.img_to_array(img)
res = cv2.resize(x, dsize=(64, 64), interpolation=cv2.INTER_CUBIC)
x = np.expand_dims(res, axis=0)
pred = model.predict(x)
pred = int(pred[0][0])
pred
0
img=image.load_img(r'Dataset\Dataset\test_set\with fire\19464620_401.jpg')
x=image.img_to_array(img)
res = cv2.resize(x, dsize=(64, 64), interpolation=cv2.INTER_CUBIC)
x = np.expand_dims(res, axis=0)
pred = model.predict(x)
pred = int(pred[0][0])
pre
1

```