```
In [8]: import keras
              from keras.preprocessing.image import ImageDataGenerator
   In [14]: from keras.models import load_model
              from keras.layers import Lambda
import tensorflow as tf
   In [22]: tf.keras.preprocessing.image_dataset_from_directory(
                  directory="C:\\Users\\Akash\\Downloads\\Dataset",
labels="inferred",
                  label mode="int",
                  class_names=None,
                  color_mode="rgb",
batch_size=32,
image_size=(256, 256),
                  shuffle=True,
                  seed=None,
                   validation_split=None,
                  subset=None,
                  interpolation="bilinear",
follow_links=False,
crop_to_aspect_ratio=False,
              Found 558 files belonging to 1 classes.
   Out[22]: <BatchDataset element_spec=(TensorSpec(shape=(None, 256, 256, 3), dtype=tf.float32, name=None), TensorSpec(shape=(None,), dtype=tf.int32, name=None))>
   In [58]:
tf.keras.preprocessing.image.load_img(
    path="C:\\Users\\Akash\\Downloads\\Dataset\\train_set\\forest\\with_fire (1).gif", grayscale=False, color_mode="rgb")
In [10]: train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,rotation_range=180,zoom_range=0.2,horizontal_flip=True) test_datagen=ImageDataGenerator(rescale=1./255)
In [21]: #: Applying ImageDataGenerator functionality to trainset.
          Found 436 images belonging to 2 classes.
In [22]: x_test = test_datagen.flow_from_directory(r'C:\Users\Akash\Downloads\Dataset\Dataset\test_set',
                                                            target_size = (128,128),
batch_size = 32,
class_mode= 'binary')
           Found 121 images belonging to 2 classes.
In [23]: from keras.models import Sequential
          from keras.layers import Convolution2D,MaxPooling2D,Dense,Flatten import warnings
          warnings.filterwarnings('ignore')
```