EARLY DETECTION OF FOREST FIRE USING DEEP LEARNING

IMAGE PRE-PROCESSING

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Project Name	Project-Early detection of forest fire using deep learning

Applying ImageDataGenerator

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```
[21] x = train_datagen.flow_from_directory(r"/content/drive/MyDrive/ibm/fire/dataset/train_set",target_size=(256, 256), class_mode='categorical', batch_size=32)

     Found 16 images belonging to 2 classes.

[22] y = test_datagen.flow_from_directory(r"/content/drive/MyDrive/ibm/fire/dataset/test_set",target_size=(256, 256), class_mode='categorical', batch_size=32)

     Found 19 images belonging to 2 classes.

[23] print(x.class_indices)

     {'forest': 0, 'with fire': 1}

[24] print(y.class_indices)

     {'forest': 0, 'with fire': 1}

[25] from collections import Counter as c
     c(x.labels)

     Counter({0: 8, 1: 8})
```