

# IMAGE PREPROCESSING

## Applying ImageDataGenerator Functionality To Trainset And Testset

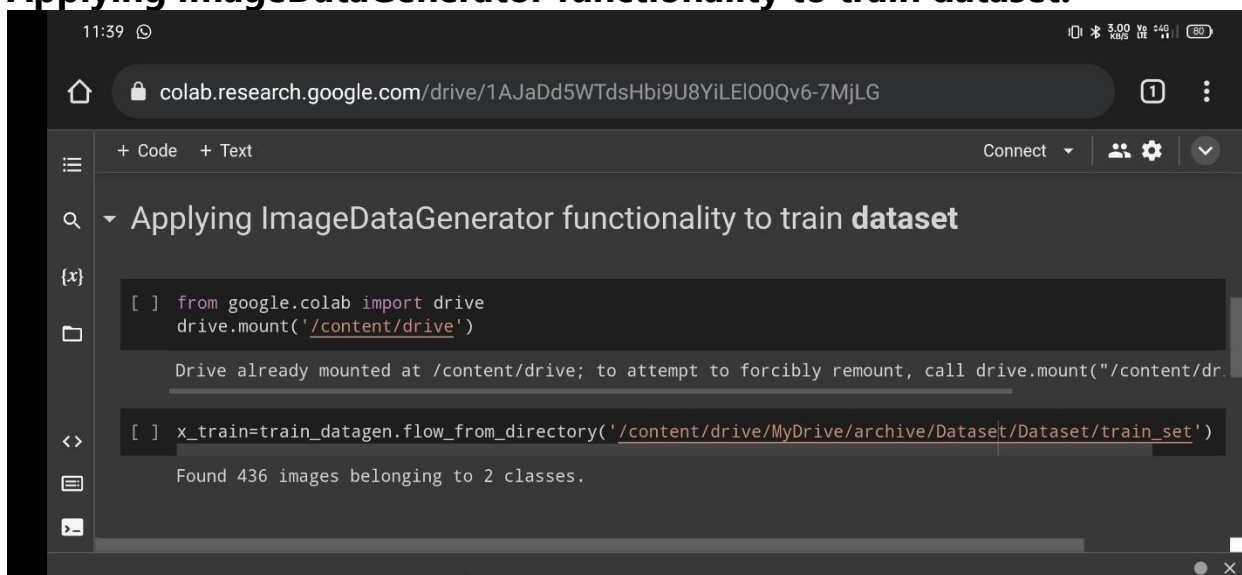
|              |   |
|--------------|---|
| Team Id      | PNT2022TMID45404                                    |
| Project Name | Emerging Method For Early Detection Of Forest Fires |

The Imagedatagenerator Class Has Three Methods,

- 1.Flow ( ),
- 2.Flow\_From\_Directory ( )
- 3.Flow\_From\_Dataframe ( ) To Read The Images From A Big Numpy Array And Folders Containing Images.

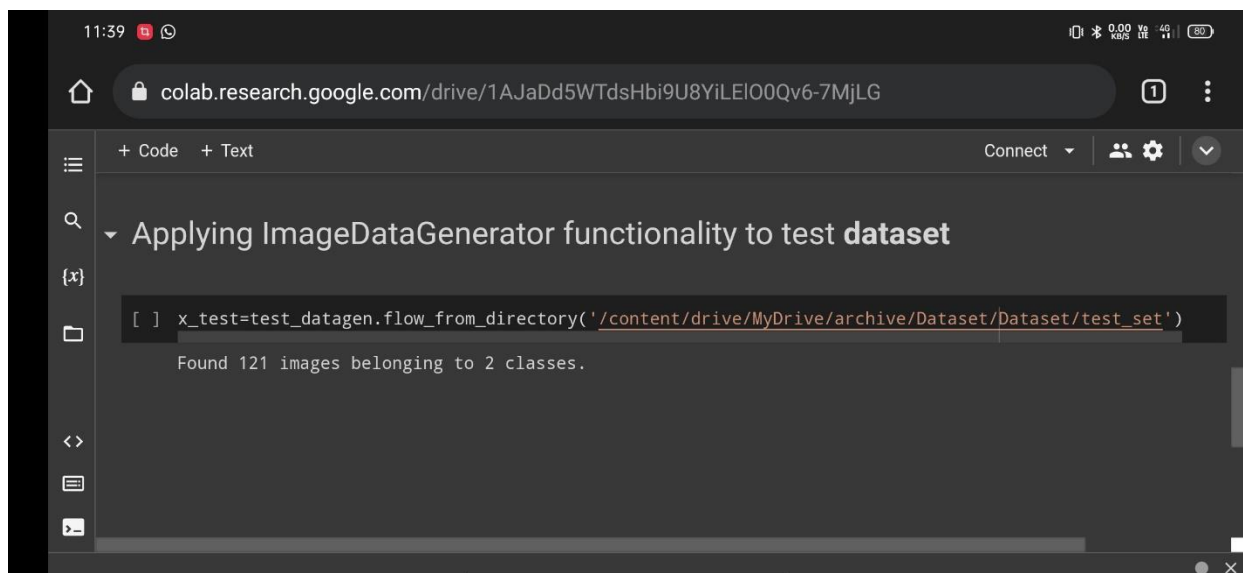
Flow\_From\_Directory ( ) Expects At Least One Directory Under The Given Directory Path.

### Applying ImageDataGenerator functionality to train dataset:



```
11:39 100% 3.00 KB/s 4G 80%  
colab.research.google.com/drive/1AJaDd5WTdsHbi9U8YiLEIO0Qv6-7MjLG  
+ Code + Text Connect 1  
Applying ImageDataGenerator functionality to train dataset  
[ ] from google.colab import drive  
drive.mount('/content/drive')  
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/dr...  
[ ] x_train=train_datagen.flow_from_directory('/content/drive/MyDrive/archive/Dataset/Dataset/train_set')  
Found 436 images belonging to 2 classes.
```

### Applying ImageDataGenerator functionality to test dataset:



```
11:39 100% 0.00 KB/s 4G 80%  
colab.research.google.com/drive/1AJaDd5WTdsHbi9U8YiLEIO0Qv6-7MjLG  
+ Code + Text Connect 1  
Applying ImageDataGenerator functionality to test dataset  
[ ] x_test=test_datagen.flow_from_directory('/content/drive/MyDrive/archive/Dataset/Dataset/test_set')  
Found 121 images belonging to 2 classes.
```