

# IMAGE PREPROCESSING

## Applying ImageDataGenerator Functionality To Trainset And Testset

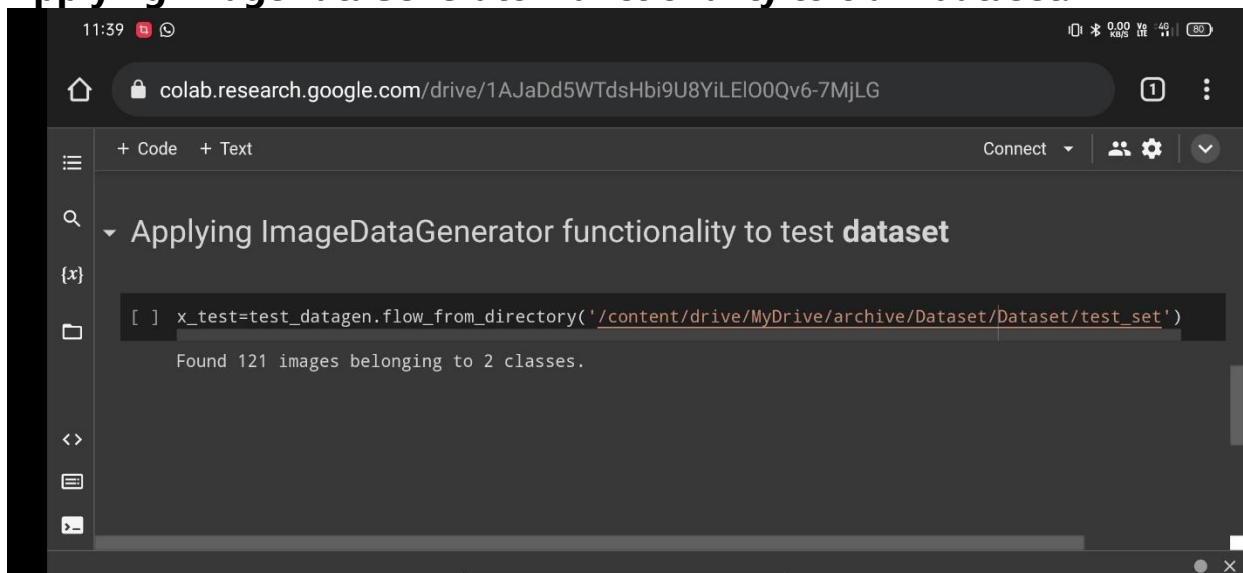
Team Id	PNT2022TMID45404
Project Name	Emerging Method For Early Detection Of Forest Fires

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:



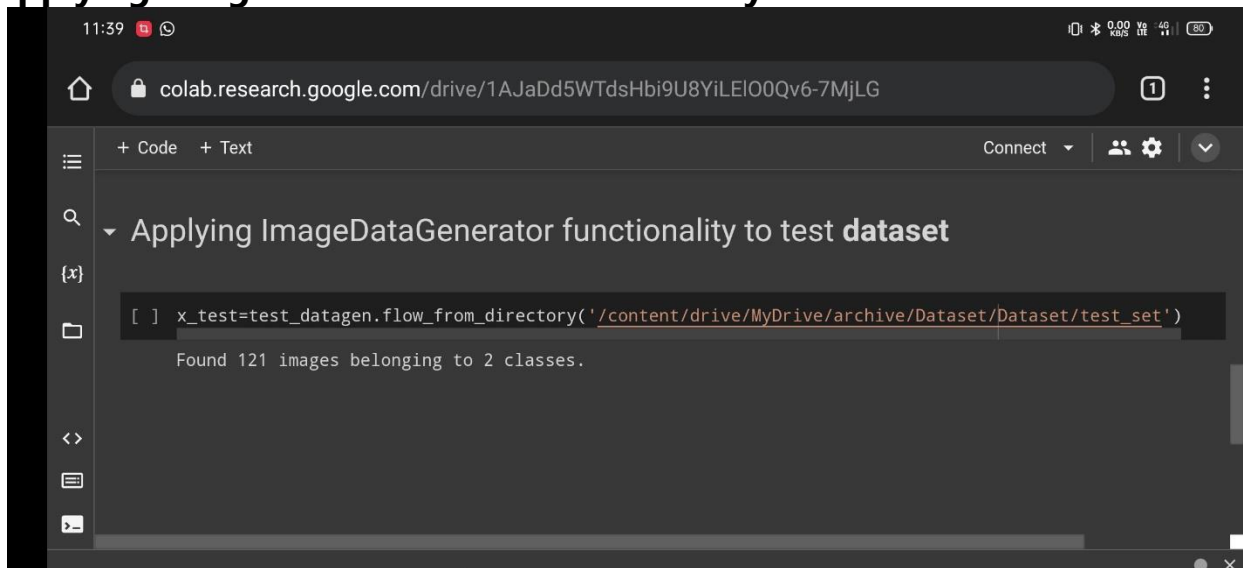
The screenshot shows a Google Colab notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/1AJaDd5WTdsHbi9U8YiLEIO0Qv6-7MjLG`. The notebook title is "Applying ImageDataGenerator functionality to test dataset". The code cell contains the following Python code:

```
[ ] x_test=test_datagen.flow_from_directory('/content/drive/MyDrive/archive/Dataset/Dataset/test_set')
```

The output of the code cell is:

```
Found 121 images belonging to 2 classes.
```

### Applying ImageDataGenerator functionality to test dataset:



This screenshot is identical to the one above, showing the same Google Colab notebook interface with the same code and output.