EARLY DETECTION OF FOREST FIRE USING DEEP LEARNING

IMAGE PRE-PROCESSING

APPLYING ImageDataGenerator to train and test dataset

Team ID	PNT2022TMID18327
Project Name	Project-Early detection of forest fire using deep
	learning

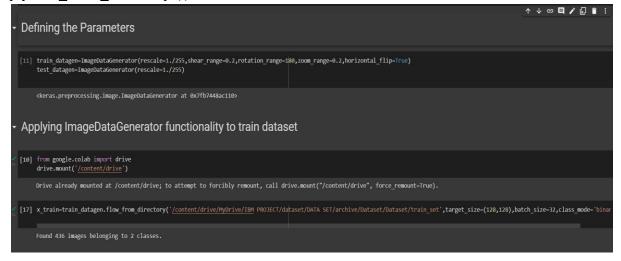
The ImageDataGenerator class has three methods,

- 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 to train dataset:

plyflow from directory () methodfor Train folder.



APPLYING ImageDataGenerator to test dataset:

Applying the **flow from directory ()** methodfortest folder.

- /	Αрј	plying ImageDataGenerator functionality to test dataset	
× (0	↑ ↓ © □ ↑ [3] # : x_test-test_datagen.flow_from_directory('/content/drive/MyOrive/IBM_PROJECT/dataset/DATA_SET/archive/Dataset/Dataset/test_set',target_size-(128,128),batch_size-32,class_mode='binary'	
	C+	Found 121 images belonging to 2 classes.	