TEAM ID - PNT2022TMID50348

FIRESEMERGING METHODS FOR EARLY DETECTION OF FIRES

Applying ImageDataGenerator Functionality ToTrainset And Testset

The ImageDataGenerator class has three methods **flow** (), **flow_from_directory** (), **and flow_from_dataframe** () to read the images from a big numpy array and folderscontaining images.

flow_from_directory () expects at least one directory under the given directory path.

Task1: Apply flow_from_directory () method for Train folder.

Task 2: Now will apply the flow_from_directory () method for test folder.

- The directory must be set to the path where your training folders are present.
- The target_size is the size of your input images, every image will be resized to this size.
- batch size: No. of images to be yielded from the generator per batch.
- "batch_size" in both train and test generators is to some number that divides your total number of images in your train set and trainset respectively.
- class_mode: Set "binary" if you have only two classes to predict, if not set to "categorical".