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Project Name	Natural Disasters Intensity Analysis and Classification using Artificial Intelligence

Import the image Data Generator Library

data augmentation

```
[ ] # import necessarylib.
    from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

```
[ ] #image Data Agumentation

    #setting parameter for Image Data agumentation to the traing data

    train_datagen = ImageDataGenerator (rescale=1./255, shear_range=0.2,zoom_range=0.2, horizontal_flip=T

    #Image Data agumentation to the testing data
    test_datagen=ImageDataGenerator(rescale=1./255)
```

```
[ ] #Loading our data and performing data agumentation
    #performing data agumentation to train data

    x_train = train_datagen.flow_from_directory('/content/dataset/train_set',target_size=(64, 64), batch_

    #performing data agumentation to test data

    x_test = test_datagen.flow_from_directory('/content/dataset/test_set',target_size=(64, 64), batch_siz
```

```
Found 742 images belonging to 4 classes.
Found 198 images belonging to 4 classes.
```