

!unzip "/content/drive/MyDrive/dhana1810 AI-Based-Natural-Disaster-Intensity-Analysis-main-dataset.zip"



```
extracting: dataset/train_set/Cyclone/18.jpg
extracting: dataset/train_set/Cyclone/184.jpg
extracting: dataset/train_set/Cyclone/17.jpg
extracting: dataset/train_set/Cyclone/185.jpg
extracting: dataset/train_set/Cyclone/186.jpg
extracting: dataset/train_set/Cyclone/188.jpg
extracting: dataset/train_set/Cyclone/165.jpg
extracting: dataset/train_set/Cyclone/19.jpg
extracting: dataset/train_set/Cyclone/187.jpg
extracting: dataset/train_set/Cyclone/189.jpg
extracting: dataset/train_set/Cyclone/192.jpg
extracting: dataset/train_set/Cyclone/194.jpg
extracting: dataset/train_set/Cyclone/190.jpg
extracting: dataset/train_set/Cyclone/193.jpg
extracting: dataset/train_set/Cyclone/195.jpg
extracting: dataset/train_set/Cyclone/196.jpg
extracting: dataset/train_set/Cyclone/197.jpg
extracting: dataset/train_set/Cyclone/199.jpg
extracting: dataset/train_set/Cyclone/2.jpg
extracting: dataset/train_set/Cyclone/202.jpg
extracting: dataset/train_set/Cyclone/191.jpg
extracting: dataset/train_set/Cyclone/20.jpg
extracting: dataset/train_set/Cyclone/201.jpg
extracting: dataset/train_set/Cyclone/200.jpg
extracting: dataset/train_set/Cyclone/203.jpg
extracting: dataset/train_set/Cyclone/206.jpg
extracting: dataset/train_set/Cyclone/204.jpg
extracting: dataset/train_set/Cyclone/205.jpg
extracting: dataset/train_set/Cyclone/207.jpg
extracting: dataset/train_set/Cyclone/21.jpg
```

Automatic saving failed. This file was updated remotely or in another tab. [Show diff](#)

```
extracting: dataset/train_set/Cyclone/212.jpg
extracting: dataset/train_set/Cyclone/211.jpg
extracting: dataset/train_set/Cyclone/214.jpg
extracting: dataset/train_set/Cyclone/215.jpg
extracting: dataset/train_set/Cyclone/213.jpg
extracting: dataset/train_set/Cyclone/216.jpg
extracting: dataset/train_set/Cyclone/218.jpg
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extracting: dataset/train_set/Cyclone/22.jpg
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extracting: dataset/train_set/Cyclone/226.jpg
extracting: dataset/train_set/Cyclone/225.jpg
extracting: dataset/train_set/Cyclone/227.jpg
extracting: dataset/train_set/Cyclone/228.jpg
extracting: dataset/train_set/Cyclone/229.jpg
extracting: dataset/train_set/Cyclone/230.jpg
extracting: dataset/train_set/Cyclone/23.jpg
extracting: dataset/train_set/Cyclone/232.jpg
extracting: dataset/train_set/Cyclone/25.jpg
extracting: dataset/train_set/Cyclone/231.jpg
extracting: dataset/train_set/Cyclone/26.jpg
```

```
#data agumentation
from tensorflow.keras.preprocessing.image import ImageDataGenerator
train_gen=ImageDataGenerator(rescale=1./255,zoom_range=0.2,horizontal_flip=True)
test_gen=ImageDataGenerator(rescale=1./255)
```

```
#passing the data
xtrain=train_gen.flow_from_directory("/content/dataset/train_set",
                                     target_size=(64,64),
                                     class_mode="categorical",
                                     batch_size=50,)
```

Found 742 images belonging to 4 classes.

```
xtest=test_gen.flow_from_directory("/content/dataset/test_set",
                                   target_size=(64,64),
                                   class_mode="categorical",
                                   batch_size=50)
```

Found 198 images belonging to 4 classes.