

DATE	10TH OCTOBER 2022
TEAM ID	PNT2022TMID33205
PROJECT NAME	PROJECT - DIGITAL NATURALIST - AI ENABLED TOOL FOR BIODIVERSITY RESEARCHERS
MAXIMUM MARKS	8 MARKS

Loading Images Into Machine Understandable Data :

Animal Dataset :

Passing training data to train variable for animals

```
xtrain =
train_datagen.flow_from_directory('/content/datasetbd/train/animals'
, target_size=(64,64), class_mode='categorical',
batch_size=100)
```

Passing testing data to test variable for animals

```
xtest =
test_datagen.flow_from_directory('/content/datasetbd/test/animals',
target_size=(64,64), class_mode='categorical',
batch_size=100)
```

Birds Dataset:

Passing training data to train variable for birds

```
xtrain1 =  
train_datagen.flow_from_directory('/content/datasetbd/train/birds',  
target_size=(64,64), class_mode='categorical', batch_size=100)
```

```
xtest1 =  
test_datagen.flow_from_directory('/content/datasetbd/test/birds',  
class_mode='categorical', batch_size=100)
```

Flowers Dataset:

Passing training data to train variable for flowers

```
xtrain2 =  
train_datagen.flow_from_directory('/content/datasetbd/train/flowers',  
target_size=(64,64), class_mode='categorical', batch_size=100)
```

Passing testing data to test variable for flowers

```
xtest 2=  
test_datagen.flow_from_directory('/content/datasetbd/test/flowers',  
target_size=(64,64), class_mode='categorical', batch_size=100)
```

Marine Animal Dataset:

Passing training data to train variable for marine animals

```
xtrain3 =  
train_datagen.flow_from_directory('/content/datasetbd/train/marine  
animals', target_size=(64,64), class_mode='categorical',  
batch_size=100)
```

Passing testing data to test variable for marine animals

```
xtest3=  
test_datagen.flow_from_directory('/content/datasetbd/test/marine
```

```
animals', target_size=(64,64), class_mode='categorical',  
batch_size=100)
```

Plants Dataset:

```
# Passing training data to train variable for plants
```

```
xtrain4 =
```

```
train_datagen.flow_from_directory('/content/datasetbd/train/plants',  
target_size=(64,64), class_mode='categorical', batch_size=100)
```

```
# Passing testing data to test variable for plants
```

```
xtest4 =
```

```
test_datagen.flow_from_directory('/content/datasetbd/test/plants',  
target_size=(64,64), class_mode='categorical',
```