DATE	12 NOV 2022
TEAM ID	PNT2022TMID52124
PROJECT NAME	Digital Naturalist - AI Enabled tool for Biodiversity Researchers
MAXIMUM MARK	8 MARK

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'
```