

Project Development Phase – Sprint 1

Image Preprocessing

Import ImageDataGenerator Library and Configure It

```
from keras.preprocessing.image import ImageDataGenerator
train_datagen = ImageDataGenerator(rescale = 1./255, shear_range=0.2,
zoom_range=0.2, horizontal_flip=True)
test_datagen = ImageDataGenerator(rescale = 1./255)
```

Apply ImageDataGenerator functionality To Train And Test

```
x_train = train_datagen.flow_from_directory('Dataset/training_set',
target_size=(64,64),batch_size=300,
class_mode= 'categorical', color_mode="grayscale")

x_test = test_datagen.flow_from_directory('Dataset/test_set', target_size=(64,64),
batch_size=300,
class_mode='categorical', color_mode="grayscale")
```