

Project Development phase
Sprint 2
Data Pre-Processing

Date	19 November 2022
Team ID	PNT2022TMID14822
Project Name	Real-Time Communication System Powered by AI for Specially Abled
Maximum Marks	2 Marks

```
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)
x_train =
train_datagen.flow_from_directory('dataset/training_set',target_size=(
64,64),batch_size=300, class_mode='categorical', color_mode='grayscale')
Found 15750 images belonging to 9 classes.
x_test =
test_datagen.flow_from_directory('dataset/test_set',target_size=(64,64
),batch_size=300, class_mode='categorical', color_mode='grayscale') Found 2250
images belonging to 9 classes.
```