

**PROJECT DEVELOPMENT PHASE
SPRINT-II IMAGE PRE-PROCESSING**

Date	10 November 2022
Team ID	PNT2022TMID21789
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies
Maximum Marks	4 Marks

Image Pre-processing

#Import The ImageDataGenerator Library:

```
#Import required lib
from tensorflow.keras.preprocessing.image
import ImageDataGenerator
```

#Configure ImageDataGenerator Class :

```
#Creating augmentation on training
variable train_datagen =
ImageDataGenerator(rescale=1./255,
                   zoom_range=0.2,
                   horizontal_flip=True)

# Creating augmentation on testing variable
test_datagen =
ImageDataGenerator(rescale=1./255)
```

**#Apply ImageDataGenerator Functionality To Trainset
And Testset :**

For Body Damage:

```
# Passing training data to train variable for body xtrain =
train_datagen.flow_from_directory('/content/damage
vehicle/body/training',
                                target_size=(224,224),
```

