PROJECT DEVELOPMENT PHASE SPRINT-II

Project Name	Intelligent vehicle damage assessment & cost estimator
	for insurance companies.

Image Preprocessing

#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:

batch size=10)

For Level Damage:

```
# Passing training data to train variable for body
x_train = train_datagen.flow_from_directory('/content/damage vehicle/level/training',
```

target_size=(224,224), class_mode='categorical', batch_size=10)

Passing training data to test variable for body

x_test = test_datagen.flow_from_directory('/content/damage vehicle/level/validation', target_size=(224,224),

class_mode='categorical',
batch_size=10)