PROJECTDEVELOPMENTPHASE SPRINT-II

Date	09November2022
TeamID	PNT2022TMID09778
ProjectName	Intelligent vehicle damage assessment & cost estimator forinsurance companies.
MaximumMarks	4Marks

ImagePre-processing

#ImportTheImageDataGeneratorLibrary:

#Importrequiredlib

from tensor flow. keras. preprocessing. image import Image Data Generator

#ConfigureImageDataGeneratorClass:

```
#Creating augmentation on training variabletrain_datagen=ImageDataGenerator(rescale=1./2 55,
```

zoom_range=0.2,horizontal_flip=Tru e)

#Creatingaugmentationontestingvariabletest_datagen =ImageDataGenerator(rescale=1./255)

#ApplyImageDataGeneratorFunctionalityToTrainsetAndTestset:

For BodyDamage:

#Passingtestingdatatotestvariableforbody

batch_size=10)

ForLevelDamage:

```
#Passingtrainingdatatotrainvariablefor body

x_train=train_datagen.flow_from_directory('/content/damagevehicle/level/training',target_size=(224,224),

class mode='categorical',
```