PROJECT DEVELOPMENT PHASE SPRINT-II

Date	10 November 2022
TeamID	PNT2022TMID14153
Project Name	Intelligent vehicle damage assessment & cost estimator for insurance companies.
MaximumMarks	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 testing data to test variable for body

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)
```