PROJECT DEVELOPMENT PHASE SPRINT-II

Date	5 November 2022
TeamID	PNT2022TMID34712
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:

```
\label{eq: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)$
```