PROJECT DEVELOPMENT PHASE SPRINT-II

| Date | 10 November 2022 |
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| TeamID | PNT2022TMID14192 |
| 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)
```