Date	12 November 2022
TeamID	PNT2022TMID24296
Project Name	Intelligent vehicle damage assessment & cost estimator for insurance companies.
MaximumMarks	4 Marks

#### **#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**

<u>:</u>

#### 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)

# 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)