# PROJECT DEVELOPMENT PHASE SPRINT-II

Date	16 November 2022
TeamID	PNT2022TMID54419
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 training data to train variable for body xtrain = train_datagen.flow_from_directory('/content/damage vehicle/body/training', target_size=(224,224), class_mode='categorical', batch_size=10)
```

# Passing testing data to test variable for body

#### For Level Damage: