# PROJECT DEVELOPMENT PHASE SPRINT-II

Date	5 November 2022
TeamID	PNT2022TMID45692
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: