

IMAGE PREPROCESSING

Date	07 November 2022
Team ID	PNT2022TMID12899
Project Name	Fertilizers Recommendation System for disease prediction

```
In [3]: from keras.preprocessing.image import ImageDataGenerator
```

```
In [4]: train_datagen = ImageDataGenerator (rescale = 1./255, shear_range= 0.2, zoom_range= 0.2, horizontal_flip = True)
```

```
In [5]: test_datagen = ImageDataGenerator (rescale = 1)
```

```
In [8]: x_train = train_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation_System_For_Disease_Predic
x_test = test_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation_System_For_Disease_Predic
```

```
Found 1686 images belonging to 6 classes.
Found 5384 images belonging to 6 classes.
```

```
In [9]: x_train = train_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation_System_For_Disease_Predic
x_test = test_datagen.flow_from_directory(r'C:\Users\maris_q3mm6nk\Desktop\FILES\data_for_ibm\Fertilizers_Recommendation_System_For_Disease_Predic
```

```
Found 3416 images belonging to 9 classes.
Found 3416 images belonging to 9 classes.
```

```
In [ ]:
```