

EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

Milestone : Model Building

Activity : Configure the learning process

Date	16 November 2022
Team ID	PNT2022TMID47227
Project Name	Emerging methods for early detection of forest fires

Importing the image data generator library :

```
import tensorflow as tf
```

```
from tensorflow.keras.preprocessing.image import ImageDataGenerator
```

Define the parameters / arguments for image data generator class :

```
trainDatagenerator = ImageDataGenerator(rescale=1./255, shear_range=0.2,  
zoom_range=0.2, horizontal_flip=True)
```

```
testDatagenerator = ImageDataGenerator(rescale=1./255)
```

Configure the learning process:

```
model.compile(loss='binary_crossentropy',optimizer='adam',metrics=["accuracy"])
```