

# Emerging Methods for Early Detection of Forest Fires

## MODEL BUILDING

### IMPORTING THE MODEL BUILDING LIBRARIES

Team ID	PNT2022TMID48861
Project Name	Emerging Methods for Early Detection of Forest Fires

### IMPORTING THE MODEL BUILDING LIBRARIES:

Import the libraries that are required to initialize the neural network layer, create and add different layers to the neural network model. The below libraries are imported and executed.

11/7/22, 12:35 AM

Untitled8.ipynb - Colaboratory

#### ▾ Importing Keras libraries

```
import keras
```

#### ▾ Importing ImageDataGenerator from Keras

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

#### ▾ Importing Keras libraries

```
✓ [1] import keras
```

#### ▾ Importing ImageDataGenerator from Keras

```
✓ [13] from matplotlib import pyplot as plt  
from keras.preprocessing.image import ImageDataGenerator
```

#### ▾ Defining the Parameters

```
▶ train_datagen=ImageDataGenerator(rescale=1./255, shear_range=0.2, rotation_range=180, zoom_range=0.2, horizontal_flip=True)  
test_datagen=ImageDataGenerator(rescale=1./255)
```

```
↳ <keras.preprocessing.image.ImageDataGenerator at 0x7fb7448ac110>
```