EARLY DETECTION OF FOREST FIRE USING DEEP LEARNING

Date	12 November 2022
Team ID	PNT2022TMID54434
Project Name	Emerging Methods for Early Detection of Forest Fires

(Configuring the learning process)

Configuring the learning process

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

Summarize the model

```
]: model.summary()
```

```
Model: "sequential"
_________________________________________________________________
 Layer (type)                Output Shape              Param #
=================================================================
 conv2d (Conv2D)             (None, 254, 254, 32)      896

 max_pooling2d (MaxPooling2D  (None, 127, 127, 32)     0
 )

 flatten (Flatten)           (None, 516128)            0

 dense (Dense)               (None, 300)               154838700

 dense_1 (Dense)             (None, 200)               60200

 dense_2 (Dense)             (None, 1)                 201

=================================================================
Total params: 154,899,997
Trainable params: 154,899,997
Non-trainable params: 0
_________________________________________________________________
```