EARLY DETECTION OF FOREST FIRE USING DEEP LEARNING

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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
_________________________________________________________________
```