

A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM


MODEL BUILDING


Compiling the model

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

```
model.summary
```

▾ Compiling the model

0s  `model.compile(loss='categorical_crossentropy',optimizer="Adam",metrics=['accuracy'])`

 `model.summary()`

 Model: "sequential"

Layer (type)	Output Shape	Param #
=====		
conv2d (Conv2D)	(None, 26, 26, 64)	640
max_pooling2d (MaxPooling2D)	(None, 13, 13, 64)	0
conv2d_1 (Conv2D)	(None, 11, 11, 256)	147712
max_pooling2d_1 (MaxPooling2D)	(None, 5, 5, 256)	0
conv2d_2 (Conv2D)	(None, 3, 3, 32)	73760
max_pooling2d_2 (MaxPooling2D)	(None, 1, 1, 32)	0
flatten (Flatten)	(None, 32)	0
dense (Dense)	(None, 10)	330

=====

```
Total params: 222,442  
Trainable params: 222,442  
Non-trainable params: 0
```
