

A Novel Method for Handwritten Digit Recognition System

Compiling the model

Project Id: PNT2022TMID15811

```
In [15]: model.compile(loss='categorical_crossentropy',optimizer='adam',metrics=['accuracy'])
```

```
In [16]: model.summary()
```

Model: "sequential"

Layer (type)	Output Shape	Param #
=====		
conv2d (Conv2D)	(None, 25, 25, 32)	544
max_pooling2d (MaxPooling2D)	(None, 12, 12, 32)	0
flatten (Flatten)	(None, 4608)	0
dense (Dense)	(None, 128)	589952
dense_1 (Dense)	(None, 10)	1290

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Total params: 591,786
Trainable params: 591,786
Non-trainable params: 0

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