Team ID	PNT2022TMID23253
Project Name	A Novel Method for Handwritten Digit Recognition System

Save the Model :

```
In [84]: model.save("model.h5")

In [1]: from tensorflow.keras.models import load_model
        model=load_model("model.h5")

In [2]: model.summary()
```

```
Model: "sequential_1"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
conv2d_8 (Conv2D)            (None, 48, 48, 32)        320

activation_11 (Activation)   (None, 48, 48, 32)        0

batch_normalization_10 (Bat  (None, 48, 48, 32)        128
chNormalization)

conv2d_9 (Conv2D)            (None, 48, 48, 32)        9248

activation_12 (Activation)   (None, 48, 48, 32)        0

batch_normalization_11 (Bat  (None, 48, 48, 32)        128
chNormalization)

max_pooling2d_4 (MaxPooling  (None, 24, 24, 32)        0
```

```
model.save("digit.h5")
```

```
from tensorflow.keras.models import load_model
model=load_model("digit.h5")
```

```
model.summary()
```

```
Model: "sequential"
_________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
conv2d (Conv2D)              (None, 26, 26, 64)        640
_________________________________________________________________
conv2d_1 (Conv2D)            (None, 24, 24, 32)        18464
_________________________________________________________________
flatten (Flatten)            (None, 18432)             0
_________________________________________________________________
dense (Dense)                (None, 10)                184330
=================================================================
Total params: 203,434
Trainable params: 203,434
Non-trainable params: 0
_________________________________________________________________
```