A Novel Method for Handwritten Digit Recognition System

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Compiling the model

Project Id:PNT2022TMID51786

```
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

          ===============================================================
          Total params: 591,786
          Trainable params: 591,786
          Non-trainable params: 0
          _____
```