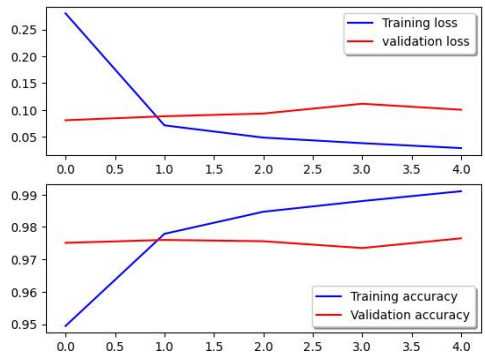


## Project Development Phase Model Performance Test

|              |  |
|--------------|--|
| Team ID      | PNT2022TMID27693   |
| Project Name | A Novel Method For Handwritten Digit Recognition System. |

### Model Performance Testing:

Project team shall fill the following information in model performance testing template.

| S.No. | Parameter     | Values  | Screenshot  |
|-------|---------------|---|---|
| 1.    | Model Summary |   | <pre> 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 </pre>  |
| 2.    | Accuracy      | <p>Training Accuracy - 99%</p> <p>Validation Accuracy - 97%</p> |  <p>The top graph displays the loss function over 4 epochs. The training loss starts at approximately 0.25 and decreases steadily to about 0.05 by epoch 4. The validation loss starts at approximately 0.08 and increases slightly to about 0.10 by epoch 4. The bottom graph displays the accuracy over 4 epochs. The training accuracy starts at approximately 0.95 and increases steadily to about 0.99 by epoch 4. The validation accuracy starts at approximately 0.97 and increases slightly to about 0.98 by epoch 4.</p> |

