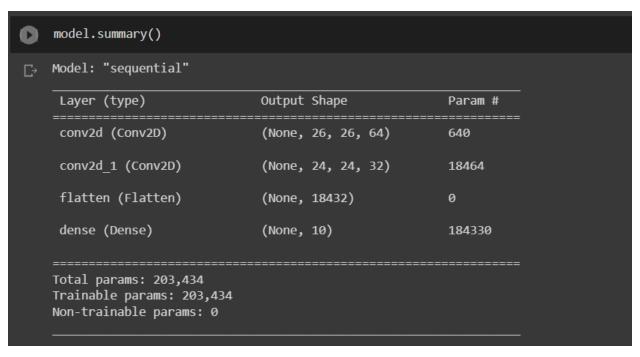
Project Development Phase

Model Performance Test

| Date | 10 November 2022 |
|---------------|---|
| Team ID | PNT2022TMID09252 |
| Project Name | A novel method for handwritten digit recognition system |
| Maximum Marks | 10 Marks |

Model Performance Testing:

1. Model Summary:



2. Accuracy:

| Content | Value (in percentage) | |
|---------------------|-----------------------|--|
| Training Accuracy | 99.14 | |
| Training Loss | 2.70 | |
| Validation Accuracy | 97.76 | |
| Validation Loss | 10.36 | |

3. Classification report:

| | precision | recall | f1-score | support |
|--------------|-----------|--------|----------|---------|
| 0 | 1.00 | 0.97 | 0.98 | 980 |
| 1 | 0.99 | 0.99 | 0.99 | 1135 |
| 2 | 0.96 | 0.99 | 0.97 | 1032 |
| 3 | 0.97 | 1.00 | 0.98 | 1010 |
| 4 | 1.00 | 0.95 | 0.98 | 982 |
| 5 | 0.96 | 1.00 | 0.98 | 892 |
| 6 | 0.99 | 0.96 | 0.97 | 958 |
| 7 | 0.99 | 0.98 | 0.99 | 1028 |
| 8 | 0.99 | 0.99 | 0.99 | 974 |
| 9 | 0.97 | 0.99 | 0.98 | 1009 |
| | | | | |
| accuracy | | | 0.98 | 10000 |
| macro avg | 0.98 | 0.98 | 0.98 | 10000 |
| weighted avg | 0.98 | 0.98 | 0.98 | 10000 |