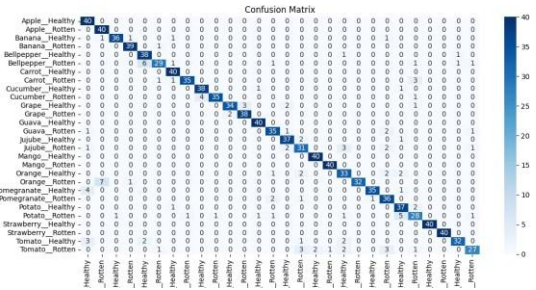


Project Development Phase
Model Performance Test

| | |
|---------------|---|
| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID59800 |
| Project Name | Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables |
| Maximum Marks | 10 Marks |

Model Performance Testing:

| S.No. | Parameter | Values | Screenshot |
|-------|-----------|--|---|
| 1. | Metrics | <div>Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -</div> | <div><div>Confusion Matrix</div></div> <div><div>Classification Report</div><pre>precision recall f1-score support Apple_Healthy 0.82 1.00 0.90 40 Apple_Rotten 0.83 1.00 0.91 40 Banana_Healthy 0.97 0.90 0.94 40 Banana_Rotten 0.95 0.97 0.96 40 Bellpepper_Healthy 0.83 0.95 0.88 40 Bellpepper_Rotten 0.91 0.72 0.81 40 Carrot_Healthy 0.91 1.00 0.95 40 Carrot_Rotten 0.97 0.88 0.92 40 Cucumber_Healthy 0.90 0.95 0.93 40 Cucumber_Rotten 0.97 0.88 0.92 40 Grape_Healthy 0.94 0.85 0.89 40 Grape_Rotten 0.93 0.95 0.94 40 Guava_Healthy 0.95 1.00 0.98 40 Guava_Rotten 0.88 0.88 0.88 40 Jujube_Healthy 0.88 0.93 0.90 40 Jujube_Rotten 0.78 0.78 0.78 40 Mango_Healthy 0.95 1.00 0.98 40 Mango_Rotten 0.98 1.00 0.99 40 Orange_Healthy 0.79 0.82 0.80 40 Orange_Rotten 1.00 0.80 0.89 40 Pomegranate_Healthy 0.97 0.88 0.92 40 Pomegranate_Rotten 0.78 0.90 0.84 40 Potato_Healthy 0.79 0.93 0.85 40 Potato_Rotten 0.76 0.70 0.73 40 Strawberry_Healthy 1.00 1.00 1.00 40 Strawberry_Rotten 1.00 1.00 1.00 40 Tomato_Healthy 0.94 0.80 0.86 40 Tomato_Rotten 0.87 0.68 0.76 40 accuracy 0.90 0.90 0.90 1120 macro avg 0.90 0.90 0.90 1120 weighted avg 0.90 0.90 0.90 1120</pre><div>PS D:\526\smart_sorting></div></div> |