**Project Development Phase**

**Model Performance Test**

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| Date | 21 June 2025 |
| Team ID | LTVIP2025TMID35598 |
| Project Name | Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

| **S.No.** | **Parameter** | **Values** | **Screenshot** |
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| 1. | Model Summary | **Transfer Learning** with **ResNet50** Input Size: 224×224 Pre-trained on ImageNet Frozen base layers + Custom Dense Layers Optimizer: RMSprop Loss: Binary Crossentropy |  |
| 2. | Accuracy | Training Accuracy – **93.2%** Validation Accuracy – **90.1%** |  |
| 3. | Fine Tuning Result | Validation Accuracy – **92.4%** |  |