Project Development Phase
Model Performance Test

| Date | 27 June 2025 |
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| Team ID | LTVIP2025TMID40716 |
| project Name | Transfer Learning- Based Classification of Poultry Diseases. for Enhanced Health Management |
| Maximum Marks | |

Model Performance Testing:

Our project Model Performance Testing:

| S.No. | Parameter | Values | Screenshot |
|---|---|---|---|
| 1. | Model Summary | Used transfer learning with VGG16 architecture. Input shape: (224, 224, 3) Added custom dense layers at the top for classificationNumber of classes: 4 Base model layers frozen initially for better generalization. |  |
| 2. | Accuracy | Trai nine Accuracy - 97-85% Validation Accuracy 95.40% (after 5 epoch* |  |

| S.No. | Parameter | Values | Screenshot |
|---|---|---|---|
| 3. | Fine Tunning Result( if Done) | Unfroze last 4 layers of VGG16 and retrained. Validation Accuracy after finetuning: 96.25% |  |