**Project Development Phase**

**Model Performance Test**

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| Date: | 26th June 2025 |
| Team ID: | LTVIP2025TMID36354 |
| Project Name: | Enchanted Wings: Marvels of Butterfly Species |
| Maximum Marks: | 2 marks |

# Model Performance Testing:

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

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| S.No. | Parameter | Values / Screenshot |
| 1 | Model Summary | Base model: VGG16 (pre-trained on ImageNet) Frozen convolutional layers Custom Dense layers:  - Flatten  - Dense(128, relu)  - Dropout(0.5)  - Dense(75, softmax) |
| 2 | Accuracy | Training Accuracy: ~80% Validation Accuracy: ~74.10% |
| 3 | Fine Tuning Result (if done) | Minimal improvement observed after unfreezing last VGG16 block. Validation Accuracy stable at ~74.10%. |