

# Project Development Phase

## Model Performance Test

Date:	26 <sup>th</sup> 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.

S.No.	Parameter	Values / Screenshot
1	Model Summary	Base model: VGG16 (pre-trained on ImageNet) Frozen convolutional layers Custom Dense layers: <ul style="list-style-type: none"><li>- Flatten</li><li>- Dense(128, relu)</li><li>- Dropout(0.5)</li><li>- Dense(75, softmax)</li></ul>
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%.