

Project Development Phase
Model Performance Test

Date	27 th june 2025
Team ID	LTIVP2025TMID42332
Project Name	Enchanted wings-Marvel Butterfly species
Maximum Marks	4

Model Performance Testing:

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

S.No.	Parameter	Values
1.	Model Summary	Convolutional Neural Network (CNN) architecture used. Models tried: MobileNetV2, ResNet50. Final model used: MobileNetV2.
2.	Accuracy	Training Accuracy: 97.2% Validation Accuracy: 94.8%
3.	Fine-Tuning Result (if done)	Validation Accuracy after tuning: 95.6% Optimized using data augmentation, dropout, and learning rate scheduling.