

**Project Development Phase**  
**Model Performance Test**

Date	27th January 2025
Team ID	LTVIP2025TMID36392
Project Name	Enchanted Wing: Marvels of Butterfly Species
Maximum Marks	10 Marks

**Model Performance Testing:**

S.No	Test Description	Input Provided	Expected Output	Actual Output	Result
1	Predict class of a known butterfly image	Image: <a href="#">image_0123.jpg</a> (Lemon Pansy)	Lemon Pansy	Lemon Pansy	✓ Pass
2	Predict a different butterfly species	Image: <a href="#">image_0450.jpg</a> (Crimson Rose)	Crimson Rose	Crimson Rose	✓ Pass
3	Invalid input image	Non-butterfly image (e.g., dog)	Not a butterfly / Invalid class	Misclassified as butterfly species	✗ Fail
4	Top-3 prediction contains the correct label	Image: <a href="#">image_0321.jpg</a> (Monarch)	Monarch in Top-3	Monarch was ranked 2nd	✓ Pass
5	Low-resolution input image	50x50 px butterfly image	Uncertain result or degraded accuracy	Incorrect prediction	✗ Fail
6	Measure prediction time	224x224 px butterfly image	Response within 2 seconds	Predicted in 1.2 seconds	✓ Pass
7	Consistency of prediction for same image	Repeated input: <a href="#">image_0789.jpg</a>	Same result each time	Consistent prediction	✓ Pass

Graph for accuracy comparison :

