## Project Development Phase Model Performance Test

Date	30 June 2025	
Team ID	LTVIP2025TMID46945	
Project Name	Transfer Learning-Based Classification of	
	Poultry Diseases for Enhanced Health	
	Management	
Maximum Marks		

## **Model Performance Testing:**

In this project, the dataset was divided into training, validation, and testing sets to ensure reliable model performance. The model was trained using transfer learning, achieving high training accuracy of 98.5%, indicating effective learning from the data. Validation accuracy reached 92.3%, showing strong generalization to unseen data during training. A separate test set confirmed consistent performance with 91.7% accuracy. This process ensured the model was both accurate and robust for real-world poultry disease classification.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Poultry Disease Classifier (Transfer Learning - ResNet50)	Don't personal formation for the state of th
2.	Accuracy	Training Accuracy - 98.5%  Validation Accuracy -92.3%	Training and violations less  Training and violations less  Training and violations less are a facilities and training and violation decursey  Training and violations decursey
3.	Fine Tunning Result( if Done)	Validation Accuracy -91.7%	Confusion Matrix  Coccidiosis  243  4 0 0 200  Healthy 1 230 1 130  Salmonella 0 3 0 340  Salmonella 0 3 0 50  Getallo Disease 0 2 52 2 100  Predicted Label