## Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID40716
project Name	Transfer Learning- Based Classification of Poultry Diseases. for Enhanced Health Management
Maximum Marks	

## Model Performance Testing:

## Our project Model Performance Testing:

S.No.	Parameter	Values	Screenshot	
1.	Model Summary	Used transfer learning with VGG16 architecture. Input shape: (224, 224, 3) Added custom dense layers at the top for classificationNumber of classes: 4 Base model layers frozen initially for better generalization.	The state of the s	
2.	Accuracy	Trai nine Accuracy - 97-85%  Validation Accuracy 95.40% (after 5 epoch*	git sisterishmen belong it, amovery it, abend "militaria incomeny") git sisterishmen belong it, amovery it, abend militaria incomeny') git sisterishmen belong it is militarian becomeny it git sisterish "maxima" it git sisterishmen becomeny  Thereing we Walkindoon Accuracy  1.4  1.5  1.5  1.6  1.7  1.6  1.7  1.7  1.7  1.7  1.7	

3.	Fine Tunning Result( if Done)	Unfroze last 4 layers of VGG16 and retrained.  Validation Accuracy after finetuning: 96.25%	
		inleturing. 90.23%	

