Project Development Phase
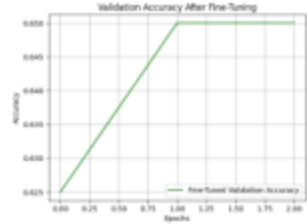## Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID37160
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 classification. Number of classes: 4 Base model layers frozen initially for better generalization.	
2.	Accuracy	Training Accuracy - 97.85% Validation Accuracy 95.40% (after 5 epochs)-	

| 3. | Fine Tunning Result(if Done) | Unfroze last 4 layers of VGG16 and retrained. **Validation Accuracy after fine-tuning**: 96.25% | |