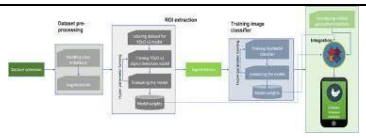
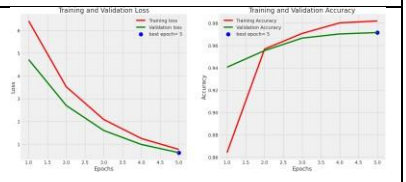
Project Development Phase
Model Performance Test

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)	
2.	Accuracy	Training Accuracy - 98.5% Validation Accuracy -92.3%	
3.	Fine Tunning Result(if Done)	Validation Accuracy -91.7%