Project Development Phase
Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID34246
Project Name	Transfer Learning-Based on Classification of Poultry Diseases for Enhanced Health Management
Maximum Marks	10 Marks

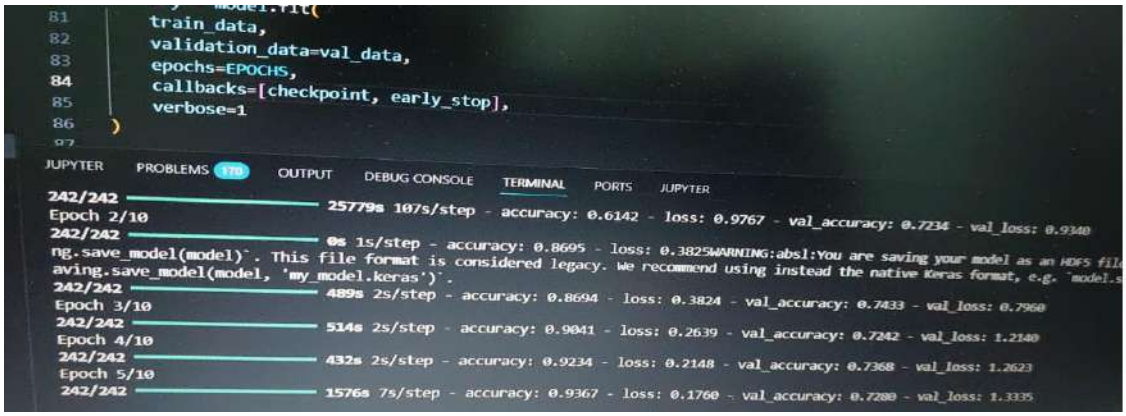
Model Performance Testing:

Project team shall fill the following information in model performance testing template.

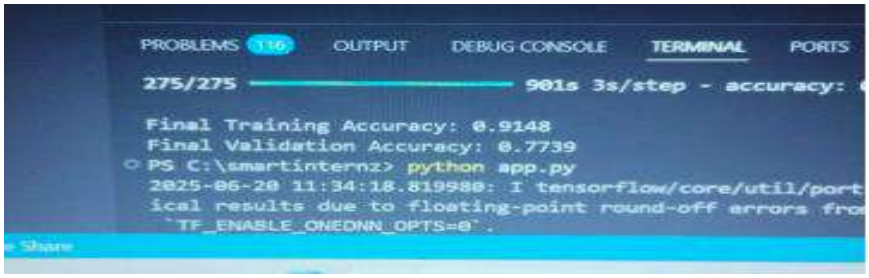
S.No.	Parameter	Values
1.	Metrics	**Regression Model:** MAE -N/A , MSE – N/A, RMSE -N/A , R2 score -N/A **Classification Model:** Accuray Score-91% Classification Report - Precision, Recall, F1-score for each class Classification Report: - Class 0: Precision 0.91, Recall 0.97, F1-Score 0.94 - Class 1: Precision 0.91, Recall 0.91, F1-Score 0.91 - Class 2: Precision 0.94, Recall 0.94, F1-Score 0.94 - Class 3: Precision 0.97, Recall 0.94, F1-Score 0.95
2.	Tune the Model	Hyperparameter Tuning – Learning Rate = 0.0001, Optimizer = Adam, Batch Size = 16, Epochs = 10 Validation Method - Train-Validation Split using separate folders (/train, /val)

Screenshots

Tuning Model



Accuracy score



Validation Folder Structure