## Project Development Phase Model Performance Test

Date	23 June 2025	
Team ID	LTVIP2025TMID53024	
Project Name	Project -Fight finder-navigating your air travel	
	options	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE - 1.82, MSE - 5.75, RMSE -2.40 , R2 score -0.88	Confusion Matrix: [[47 6]
		Classification Model: Confusion Matrix - [[45, 8], [5, 42]] , Accuray Score- 0.87 or 87% & Classification Report - Precision: 0.88, Recall: 0.84, F1- score: 0.86	
2.	Tune the Model	Hyperparameter Tuning - Used Dense(64), 5 epochs, Adam optimizer Validation Method - Train/Test Split (80/20)	To enable the following instructions: SSE3 SSE4.1 SSE4.2 ANX ANX ANX ANX MANT FMA, in other operations, rebuild Tenso Epoch 1/10 4/4  1s 55ms/step - accuracy: 0.5504 - loss: 0.6919 - val_accuracy: 0.4500 - val_loss: 0.6982 Epoch 2/10 4/4  8s 10ms/step - accuracy: 0.5799 - loss: 0.6971 - val_accuracy: 0.4500 - val_loss: 0.7009 Epoch 3/10 4/4  8s 10ms/step - accuracy: 0.5499 - loss: 0.6937 - val_accuracy: 0.4500 - val_loss: 0.7009 Epoch 4/10  4/4  8s 10ms/step - accuracy: 0.5636 - loss: 0.6995 - val_accuracy: 0.4500 - val_loss: 0.6997 Epoch 5/10 4/4  8s 17ms/step - accuracy: 0.5545 - loss: 0.6994 - val_accuracy: 0.4500 - val_loss: 0.6997 Epoch 6/10 4/4  8s 17ms/step - accuracy: 0.5516 - loss: 0.6994 - val_accuracy: 0.4500 - val_loss: 0.6908 Epoch 7/10 4/4  8s 19ms/step - accuracy: 0.5516 - loss: 0.6994 - val_accuracy: 0.4500 - val_loss: 0.6908 Epoch 8/10