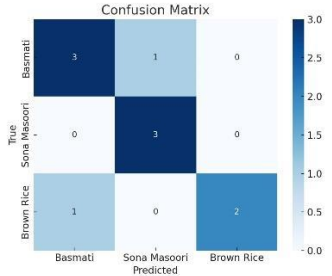



Project Development Phase Model Performance Test

Date	30 June 2025
Team ID	LTVIP2025TMID40189
Project Name	GrainPalette - A Deep Learning Odyssey In Rice Type Classification Through Transfer Learning
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 - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -	 <p>The confusion matrix shows the performance of the classification model. The True labels are Basmati, Sona Masoori, and Brown Rice. The Predicted labels are also Basmati, Sona Masoori, and Brown Rice. The matrix values are: Basmati (3 True, 1 False, 0 False), Sona Masoori (0 True, 3 True, 0 False), Brown Rice (1 True, 0 False, 2 True). A color scale on the right ranges from 0.0 to 3.0.</p>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <p>The line graph shows Training Accuracy (yellow line with diamond markers) and Validation Accuracy (orange line with square markers) over 10 epochs. Training accuracy starts at approximately 0.60 and increases to 0.95. Validation accuracy starts at approximately 0.55 and increases to 0.90.</p>