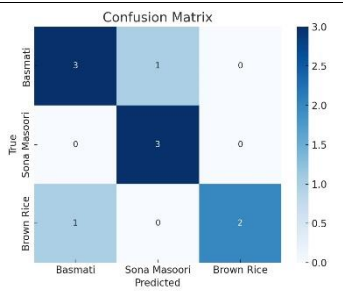
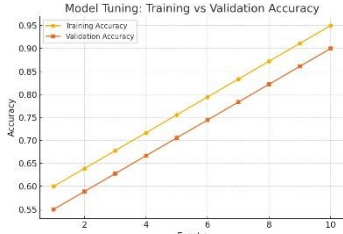


Project Development Phase Model Performance Test

Date	28 June 2025
Team ID	LTVIP2025TMID40305
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 relationship between True and Predicted rice types. The True classes are Basmati, Sona Masoori, and Brown Rice. The Predicted classes 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. Both accuracies increase steadily from epoch 1 to 10. Training Accuracy starts at approximately 0.58 and ends at 0.95. Validation Accuracy starts at approximately 0.55 and ends at 0.90.</p>