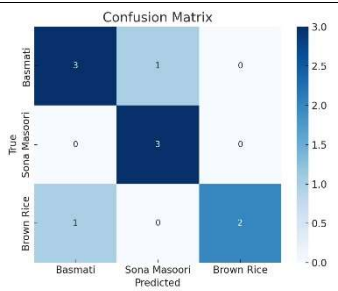
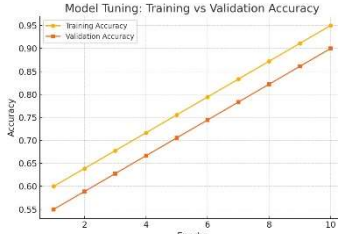


## Project Development Phase Model Performance Test

Date	26 June 2025
Team ID	CQernmDY
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	<b>Regression Model:</b> MAE - , MSE - , RMSE - , R2 score -  <b>Classification Model:</b> Confusion Matrix - , Accuray Score- & Classification Report -	 <p>The confusion matrix shows the performance of the classification model. 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 Positives, 1 False Positive, 0 False Negatives), Sona Masoori (0 True Positives, 3 True Positives, 0 False Negatives), and Brown Rice (1 True Positive, 0 False Positive, 2 True Positives).</p>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <p>The line graph shows the training and validation accuracy over 10 epochs. The training accuracy (yellow line) starts at approximately 0.60 and increases to 0.95. The validation accuracy (orange line) starts at approximately 0.55 and increases to 0.90. Both accuracies show a steady upward trend.</p>