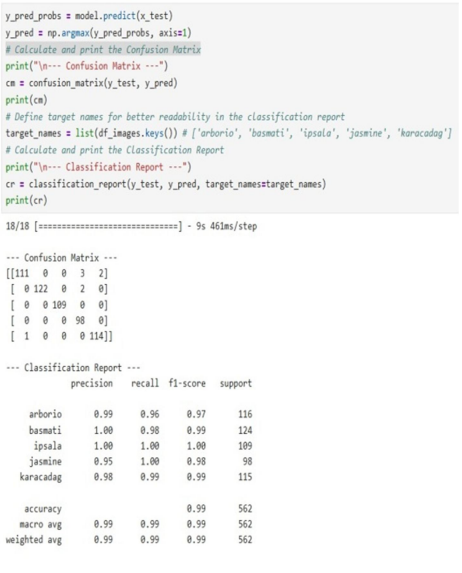
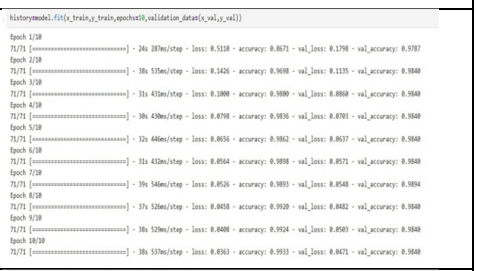
Project Development Phase
Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID41438
Project Name	GrainPalette - A Deep Learning Odyssey In Rice Type Classification Through Transfer Learning
Maximum Marks	

Model Performance Testing:

Our project Model Performance Testing**:**

S.No.	Parameter	Values	Screenshot
1.	Trained a Deep Learning CNN model for Rice Type Classification	• Data Set: 5 rice types(Arborio,Basmati,Ipsala,Jasmine,Karacadag) • Image Classification using CNN • Train-Test Split: 80-20% • Evaluation Metrics Used: Accuracy, Precision, Recall, F1-score, Confusion Matrix • Final Test Accuracy:98.58%	
2.	Accuracy	Training Accuracy – 99.33%(CNN)	
3.	Validation Accuracy	Validation Accuracy -98.40% (CNN)