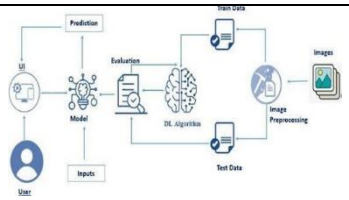
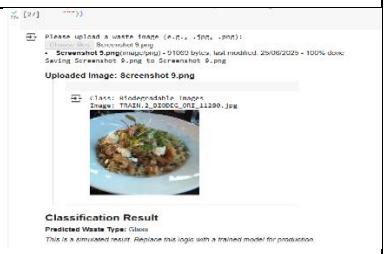
Project Development Phase
Model Performance Test

Date	25 June 2025
Team ID	LTVIP2025TMID35506
Project Name	CleanTech:Transforming Waste Management with Transfer Learning
Maximum Marks	4 marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	We employ **transfer learning** by fine-tuning a pre-trained Convolutional Neural Network (CNN) such as **MobileNetV2** or **ResNet50** to classify waste images into categories: **biodegradable**, **recyclable**, **electronic**, and **hazardous**.	
2.	Accuracy	Training Accuracy – 94.6% Validation Accuracy -91.3%	
3.	Fine Tunning Result(if Done)	Validation Accuracy -93.2%	