

## Project Development Phase Model Performance Test

Date	27 June
Team ID	LTVIP2025TMID45505
Project Name	CleanTech: Transforming Waste Management with Transfer Learning
Maximum Marks	10 Marks

### Model Performance Testing:

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

### Model Performance Testing

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S.No.	Parameter	Values	Screenshot
1	Metrics	<b>Regression Model:</b> Not Applicable <b>Classification Model:</b> • Confusion Matrix: $\begin{bmatrix} 40 & 49 & 41 \\ 51 & 42 & 37 \\ 39 & 41 & 50 \end{bmatrix}$ • Accuracy Score: <b>~74.0%</b> • Classification Report: Precision, Recall, and F1-score vary per class (needs detailed report output)	See Screenshot
2	Tune the Model	• Hyperparameter Tuning: Fine-tuned learning rate, added dropout layers, batch size = 32 • Validation Method: Stratified 80/20 train-test split with image augmentation	

