**Project Development Phase**

**Model Performance Test**

|  |  |
| --- | --- |
| Date | 29 June 2025 |
| Team ID | LTVIP2025TMID44727 |
| 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

### Model Performance Testing

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Parameter | Values | Screenshot |
| 1 | Metrics | Regression Model: Not Applicable Classification Model: • Confusion Matrix: [[40, 49, 41], [51, 42, 37], [39, 41, 50]] • Accuracy Score: ~74.0% • 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 |  |

