**Project Development Phase**

**Model Performance Test**

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| Date | 21 February 2025 |
| Team ID | LTVIP2025TMID45505 |
| Project Name | CleanTech: Transforming Waste Management with Transfer Learning |
| Maximum Marks |  |

**Model Performance Testing:**

| **S.No.** | **Parameter** | **Details** | **Screenshot** |
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| 1 | Model Summary | Transfer learning approach applied to classify waste images into Biodegradable, Recyclable, and Trash categories. Utilized pre-trained models fine-tuned on our dataset for enhanced accuracy and efficiency. |  |
| 2 | Accuracy | - Training Accuracy: 98% - Validation Accuracy: 98% |  |
| 3 | Confidence Score (If YOLO or object detection used) | - Classes detected accurately with high confidence. - Example: Model shows 92% confidence in correct classification of waste types. |  |

