**Project Development Phase**

**Model Performance Test**

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID36584 |
| Project Name | cleantech: transforming waste management with transfer learning |
| Maximum Marks |  |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Model Summary | **The model used in CleanTech is based on MobileNetV2, a lightweight and efficient convolutional neural network pre-trained on ImageNet. It is fine-tuned for classifying waste images into Biodegradable, Recyclable, and Trash categories. The model includes a GlobalAveragePooling layer and dense layers on top for classification. This architecture ensures high accuracy while remaining computationally efficient for real-time prediction.** |  |
|  | Accuracy | Training Accuracy - 0.9994  Validation Accuracy - 0.6538 |  |
| 3. | Fine Tunning Result( if Done) | Validation Accuracy - |  |