Model Development Phase

Date	15 March 2024
Team ID	739675
Project Title	Cleantech: Transforming Waste Management With Transfer Learning
Maximum Marks	5 Marks

Model Selection Report

In the model selection report for Transfer learning involves leveraging pre-trained models on large datasets (like ImageNet) and fine-tuning them for specific tasks, such as waste classification.

Model	Description
Model 1 (vgg16) Transfer Learning	**Description**: In the context of Clean tech's initiative to revolutionize waste management through advanced technologies, the VGG16 model, enhanced via transfer learning, serves as a foundational approach for automated waste classification. **Performance**: High accuracy due to deep architecture and transfer learning. **Complexity**: Moderate to high (138 million parameters). **Computational Requirements**: High (requires significant GPU resources).