

Project Design Phase-I

Solution Architecture

Date	8 Nov 2023
Team ID	592766
Project Name	Walmart Sales For Retail Industry with Machine Learning
Maximum Marks	4 Marks

Solution Architecture:

It optimizes the garbage classification process by leveraging CNNs for real-time image-based classification. It not only enhances sorting accuracy but also improves the efficiency of waste management operations, contributes to recycling efforts, and reduces the environmental impact of waste disposal. The continuous learning loop ensures that the system adapts to evolving waste streams and maintains high classification accuracy.

Our solution leverages Convolutional Neural Networks (CNNs) to address the garbage classification problem effectively.

- Data Gathering
- Image Preprocessing
- Model Building
- Waste Material Prediction
- Real Time Analysis

Solution Architecture Diagram

