Garbage Classification

PROJECT SYNOPSIS

Scope:

- The project aims to develop a machine learning model or system that can accurately classify different types of garbage items into the appropriate categories. The project will utilize the Garbage Classification Dataset, which consists of 2,467 instances of garbage items categorized into six classes: cardboard (393), glass (491), metal (400), paper(584), plastic (472) and trash(127).

Objective:

- The main objective of the project is to build a garbage classification system that can automate and improve the process of garbage sorting and recycling.

Business Problem Statement

- The goal of this project is to develop a garbage classification system that can accurately categorize different types of garbage items into six classes: cardboard, glass, metal, paper, plastic, and trash. By automating the garbage sorting process, the system aims to improve waste management efficiency, promote recycling efforts, and reduce environmental impact.