

Project White Paper

Name: Koko Nanahji

Student number: 215168057

My project will be in the scientific stream. The goal of this project is to develop an application that takes images of items as its input and classifies these images. This application is aimed to be used as a classifier that decides which garbage bin the given item should be put in. This project will be designed for three bin system where one bin is for recyclables, the other bin is for organics and the last bin is for garbage. Hence, the goal of this application is to classify given image into one of these three categories (recyclables, organics and garbage). Given that this project's length is one semester, it will be very difficult to be able to classify every item. Therefore, I will work on classifying only 5 different items in the beginning and if time permits, I will add new items to this scope.