

ABSTRACT

This capstone project was a project of research at Capiz State University - Pilar Satellite College. It generally aimed to create a Trash can Segregation with Sensor for the Capiz State University Pilar Satellite College to provide automatic trash can segregation specially to help the student's faculties to do the proper segregation. Specifically, a.) Develop automatic waste segregator b.) Design and Implement a system that can segregate the waste automatically, c.) To make an easy way to segregate the waste disposal, d.) Provide an automatic trash can segregator.

Further, the said trash can segregation with sensor can used by the students faculties who has who has a trash put in the trash can segregation with sensor.

This trashcan segregation is very useful for users who having a problem throwing a trash. It was developing in Arduino Uno IDE (Integrated Development environment), The IDE application is suitable for different operating systems such as Windows, Mac OS X, and Linux. It supports the programming language C and C++.

Its automatic trash can segregation with sensor feature making it easy way waste disposal.