

ABSTRACT

In this day and age, there are still many trash cans whose cargo exceeds capacity, especially in public places such as airports, stations and other public places, this can be caused by several factors, namely, officers who do not pay attention to the trash can that is full, users which forces the waste to be disposed of in a trash can that is full, therefore a trash can that can operate "independently" is needed, namely with the help of Arduino as a microcontroller, as well as a PING sensor that can detect when someone wants to dispose of garbage and then close the trash will open with the help of a servo motor, and there will be a PING sensor that can measure the height of the trash in the trash, when the trash has reached its maximum height, the Line Follower installed in the trash can will actively carry the trash can to the janitor's room, so it is hoped that it will reduce the buildup. waste caused by several of the factors mentioned above.