



DEPARTMENT OF INFORMATION SCIENCE AND TECHNOLOGY

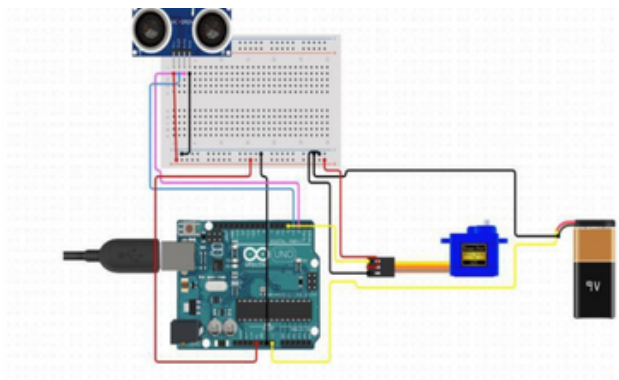
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Smart Dustbin Using Motion Sensor

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ABSTRACT

If dustbin is not maintained then these can cause an unhealthy environment and can cause pollute that affect our health. In this proposed technology we have designed a smart dustbin using ARDUINO UNO, along with ultrasonic sensor, servo motor, and battery jumper wire. After all hardware and software connection, now Smart Dustbin program will be run. Dustbin lid will open when someone comes near at some range than wait for user to put garbage and close it. It's properly running or not. Here lid will close when you don't want to use and it will only open when it required. Children too can have fun with the dustbin since the lid automatically opens.



CONCLUSION

The combination of intelligent waste monitoring and trash compaction technologies, smart dustbins are better and shoulders above traditional garbage dustbin. It is equipped with smart devices like sensor Arduino etc. Lid of the dustbin will automatically open when an object comes near to the dustbin and after certain time period it will close the lid.

