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# BLUETOOTH R2D2

A PROJECT BY LUIS DANIEL, AMILCAR AND ALFONSO



## THE UNION BETWEEN MECHANICS, ELECTRONICS AND PROGRAMMING

*Luis Daniel, Amilcar, Alfonso*

This project was carried out to integrate a large number of electronic components such as color sensor, ultrasonic sensor, Bluetooth modules, leds, and DC motors.

As it can be seen in the illustrations, the team decided to make a design inspired by the R2D2 robot from the Star Wars film franchise

Without a doubt, it was a fun project that helped us reinforce some concepts seen in the mechatronics instrumentation class.

### WHAT'S INSIDE THIS PROJECT?

- Arduino programming
- Bluetooth communication
- Organized and smart wiring
- Use of electronic components such as the HC-05 and HC-06 modules
- Color sensor
- H bridge
- Leds