



Global Junior Challenge

Projects to share the future

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[Home](#) > Dual mode Arduino car

Paese, Città/Regione

Paese:

Latvia

Città:

Riga

Organizzazione

Nome dell'ente o associazione:

TJN "Annas 2"

Contesto dell'ente o dell'associazione che presenta il progetto:

School

Specify:

Self funding

Legge sulla privacy

Consenso al trattamento dei dati personali

Acconsenti al trattamento dei dati personali?:

Autorizzo la FMD al trattamento dei miei dati personali.

Tipo di progetto

Educazione fino ai 15 anni

Descrizione del progetto

Description Frase (max. 500 characters):

Everything started when little cousin broke his RC car and aunt asked do i need any of the parts found in there, i said that whole car could be re-used and then i got the car. I putted in big battery, lights, Arduino, H-bridge, Bluetooth module and some sensors.

Project Summary (max. 2000 characters):

Car that is switchable between two modes -- autopilot and remote controll.

Da quando è funzionante il vostro progetto?

2017-08-01 00:00:00

Obiettivi ed elementi di innovazione

Wanted to make a car that could be remotely controllable and self-driving. Bluetooth module to controll it remotely and ultrasonic and infra-red sensors to make it self-driving.

Risultati

Describe the results achieved by your project How do you measure (parameters) these. (max. 2000 characters):

Car is not hitting the wall if it had registered distance lower than 50 cm with ultrasonic sensor.
Car brakes if it has lost connection to phone.

How many users interact with your project monthly and what are the preferred forms of interaction? (max. 500 characters):

Gave remote app to family and freinds to get feedback.

Sostenibilità

What is the full duration of your project (from beginning to end)?:

Meno di 1 anno

What is the approximate total budget for your project (in Euro)?:

Da 10.001 a 30.000 Euro

What is the source of funding for your project?:

Altro

Il progetto è economicamente autosufficiente?:

Sì

Since when?:

2017-09-01 00:00:00

Trasferibilità

Has your project been replicated/adapted elsewhere?:

No

Where? By whom?:

Teaching others.

What lessons can others learn from your project? (max. 1500 characters):

1. Broken toys can be modified into robots.
2. You do not need a big budget for building a robot.
3. You do not need code to make Android application.

Are you available to help others to start or work on similar projects?:

Sì

Informazioni aggiuntive

Barriers and Solutions (max. 1000 characters):

Self made H-bridge did not work. Self made H-bridge was replaced to factory made one.

Future plans and wish list (max. 750 characters):

Take part in the robotics challenge.

Allegati:

 [Front view](#) ^[1]

 [Side view](#) ^[2]

[car](#) ^[3] [robot](#) ^[4] [application](#) ^[5] [bluetooth](#) ^[6] [remote control](#) ^[7] [ultrasonic](#) ^[8] [second hand](#) ^[9] [arduino](#) ^[10] [electronics](#) ^[11] [Programming](#) ^[12]

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[Privacy Policy](#)

URL di origine: <http://2017.gjc.it/it/progetti/dual-mode-arduino-car>

Collegamenti

[1] <http://2017.gjc.it/sites/default/files/img-20170831-wa0000.jpg>

[2] <http://2017.gjc.it/sites/default/files/img-20170831-wa0001.jpg>

[3] <http://2017.gjc.it/it/keywords-separate-commas/car>

[4] <http://2017.gjc.it/it/category/parole-chiave-separate-da-virgole/robot>

[5] <http://2017.gjc.it/it/category/parole-chiave-separate-da-virgole/application>

[6] <http://2017.gjc.it/it/keywords-separate-commas/bluetooth>

[7] <http://2017.gjc.it/it/keywords-separate-commas/remote-control>

[8] <http://2017.gjc.it/it/keywords-separate-commas/ultrasonic>

[9] <http://2017.gjc.it/it/keywords-separate-commas/second-hand>

[10] <http://2017.gjc.it/it/category/parole-chiave-separate-da-virgole/arduino>

[11] <http://2017.gjc.it/it/keywords-separate-commas/electronics>

[12] <http://2017.gjc.it/it/category/keywords-separate-with-commas/programming>