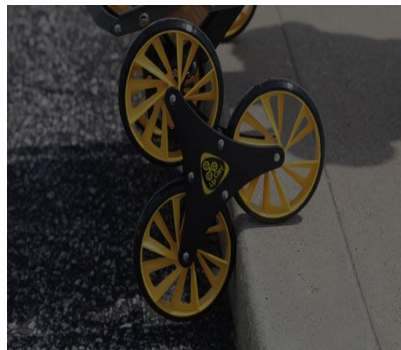
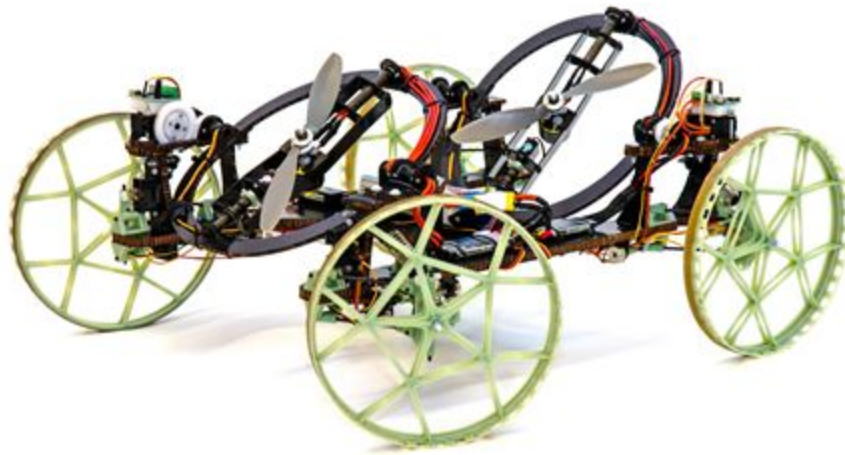


ITSP 2016

TEAM NAME-COMMANDO

PROJECT NAME- FLYING LIZARD



Video link- <https://www.youtube.com/watch?v=KRYT2kYbgo4>

(1) Team Members:-

- Vaishali Agarwal - 150040055(contact no.8828495006)
- Tapes Rawal - 150040066(contact no.7597142164)

(2) Topic:-

- Making a car which can cross all the hurdles in its way.

(3) Design:-

Basic overview-

We want to make a light weight car which can fly and also move on wall.It will also be able to move up the stairs of avg height 5 inches smoothly.It will be based on thrust force. We will select tyres accordingly such that it can walk on rocky land also.Basically it will be a flying lizard.

(4) Implementation:-

- week 1-pre planning and designing for the entire car and trying to arrange the materials required.
- week 2-circuit designing,will make the basic structure of car.
- week 3- Taking into consideration the weight constraints,designing the car so as to be able to make it climb on the wall,move up the stairs and will also make it fly.
- week 4- try to make the car more and more in harmony with all these features

- week 5-test drive and will try to fix errors.
- week 6-trouble shooting , making minor adjustments and improvements

(5) Requirements and Cost:-

- I. motors(2 for engine,2 for rings)
- II. light weight material for base
- III. tyres
- IV. battery
- V. transmitter
- VI. receiver
- VII. remote control
- VIII. propellor
- IX. 2 rings

COST = Rs10,000{approx.}

(6) Motivation & Future Advantages:-

We saw reference videos on youtube. Although it is available in market but we will try to make it less costly. Its ability to cross hurdles like stairs and even wall will make it beneficial for various fields like army.