

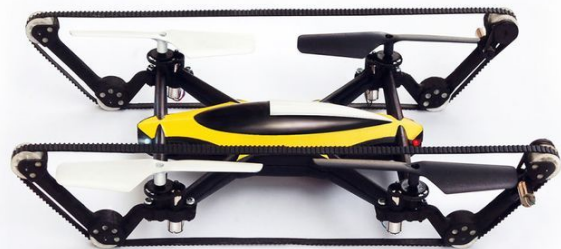
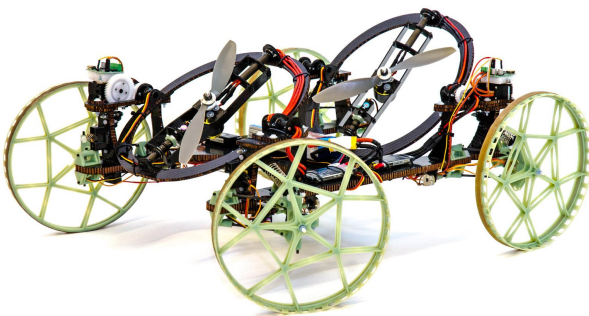
# MULTI TERRAIN QUADCOPTER

## Description:

We aim to make a quadcopter with tiltable propellers such that it can be used as an aerial vehicle as well as a ground vehicle.

The movement on ground will be governed by the propellers only.

A combination of these two by sorts.



Movable rotors, with flexible treaded tracks for movement on the ground.

## Components required:

Radio transmitter

Propellers

DC Motors

Battery

Gyroscope

Light weight material for frame

Receiver

### **Implementation Steps:**

**Week 1 :** Pre planning and designing for the entire bot , materials required.

Week 2 : Circuit Designing, Console making, coding for the quadrotor, Arrangement of components, so as to make the bot run on air .

Week 3 : Taking into consideration the weight constraints, designing the bot so as to be able to make it run on land ,using the tilt mechanism of the propellers.

Week 4 : try to make the bot more and more in harmony with its two features.

Week 5: trouble shooting, making minor adjustments and improvements.

Cost Estimation: approx. Rs 12000

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