Pushpak

Pushpak is a quad-copter which can be controlled via internet from anywhere in the world. It can fly where wireless internet is available.

Implementation steps-

1. We will start our project from 5th May and we expect to complete the quad-copter by 15-16 days(19th May). This quad-copter will still be controlled by RC.
2. Then we have to attach wifi module to a microcontroller on the copter and also make an application that will help to send signals via internet to the copter. This might take around 20 days of work as nobody in our team is an expert coder. This is why we have kept our project in WnCC club, so that a WnCC mentor can guide us.

Components Required-

1. Frame for quad-copter
2. 4 motors (₹200-400 *4)
3. 4 propellers (₹150-200)
4. 4 ESC (electronic speed controller)
5. Batteries and charger (probably Lipo battery) (₹ 250-300)
6. Microcontroller (we have an Arduino… if that does not work a microcontroller should not cost more than ₹700)
7. Camera(s) (₹ 500-600)
8. Wifi-module (for receiving wireless signals) (₹ 200-500)
9. Connecting wires and stuff…

What we expect to learn-

1. Great scope of learning coding at an extensive level.
2. Aeromodelling and flight control related stuff.