Title:- remote controlled ornithopter

Implementation:

Week 1

Ordering of the components. Design of the ornithopter .discussion on how to properly implement the motion of wings and tail

Week 2

Start building the wings and the fuselage of the ornithopter and other smaller parts

Week3

Finish building the mechanical assembly completely. And adjust the electrical part

work on changing directions

Week 4 and Week 5

Test flight and repeatedly improve flight of ornithopter

Components used and cost:

carbon rods 3mm and 2mm

ESC

motor(brushless outrunner)

servo

plywood

ball bearings

LiPo 2S battery

spur gear and worm gear

cost may be less than 5000;

Learning :

Understanding the aerodynamics bird flight

many other things from internet.