AERO-GLIDDER (A.G.)

It's an modified airplane design by our group , with 8 propeller motor units ,

Design to work on wireless Rc controller ,it's complete look will be like UFO or flying saucer in sky

Our plan of Action

Week 1:

- To gather the required parts
- Testing the parts in use and understanding them
- Setting rulers for designs base on data collected at first step
- Learning aero dynamics of design.

Week 2:

- Designing frame and mounting motors .(~ 3 days)
- Understanding microcontroller in use of A.G.
- Learning programing language of microcontroller in use of A.G.
- Designing the circuit base on design of frame
- Assembling

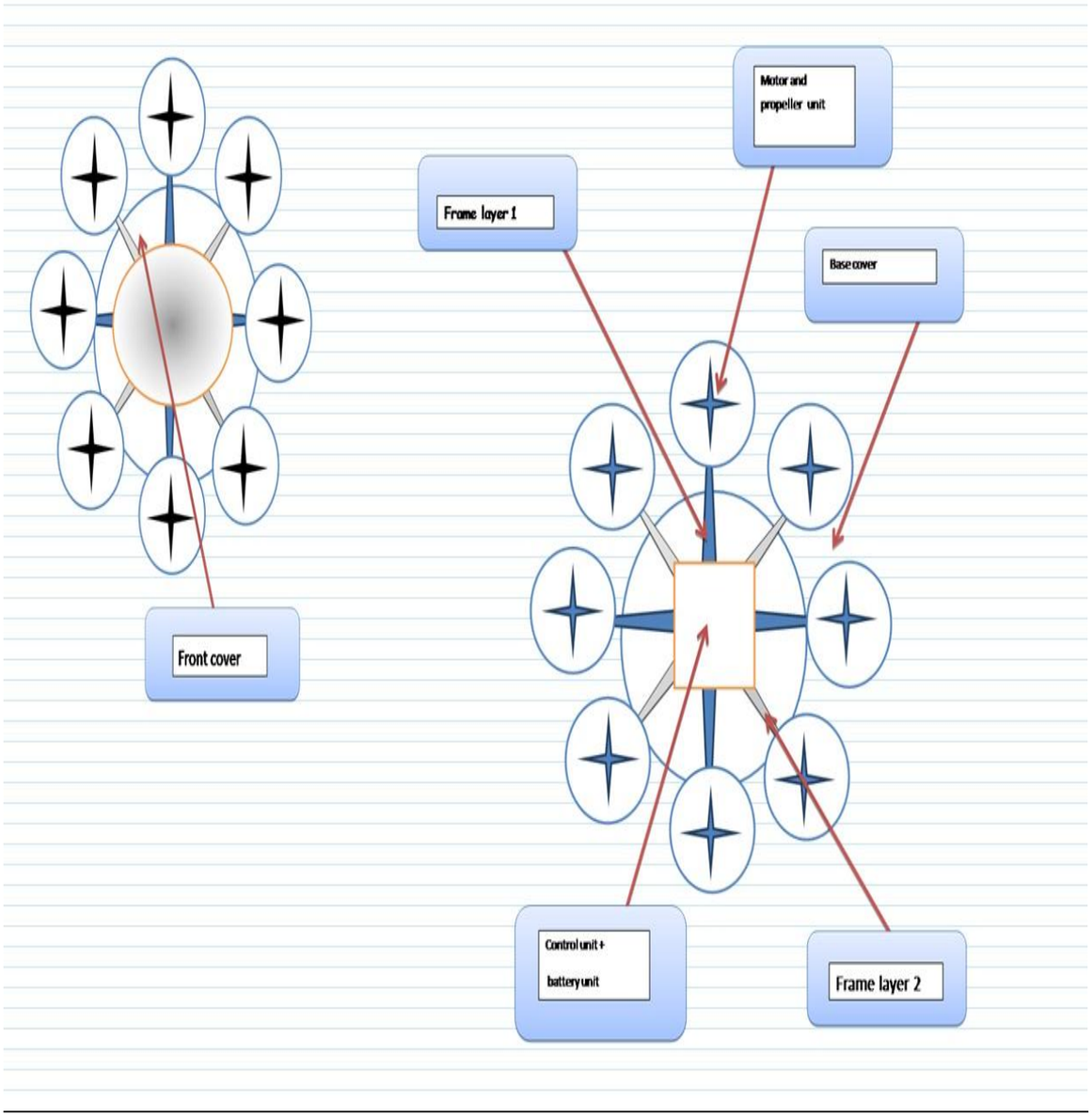
Week 3:

- Test 1 (circuit design test in controlled environment)
- Test 2 (aero dynamic test in controlled environment)
- Test 3 (flight test in open air

Component in Requirement :

Component Name	Units Required	Price Estimated per piece
Motor	8	540
Propeller	8	50
ESC	8	480
Power Distribution circuit	3	250
Battery (2200mAh)	3	935
Acrylic sheet	4	200
Rc controller and receiver circuit	1	2500

Rough Design By Group



Miscellaneous :

Micro controller ,Conducting wire ,Nuts and bolts ,Soldering equiments and hardware components other tools

price 3000 rupees

Our Aims Behind this project:

Learning about aero dynamics

Understanding and learning programing of micro-controllers

Circuit designing