Get it Wright!

Problem Statement:

Find the detailed problem statement here.

Design constraints:

1. T/W < 0.8 (if excess thrust is found, it will be neutralized by adding weight below the plane at center of gravity).
2. Propeller diameter should not be greater than 10 inches.
3. Battery weight should not be more than 120 gm.
4. Only electrical motors are allowed. The use of IC engines or any other means of providing thrust is prohibited.
5. Use of gyroscopes (gyros) and programming assistance in receivers is prohibited.
6. One of the team members should fly the aircraft and another should call the stunts as they are performed (just before).

The best measure of the design of an aircraft can be done by climb and gliding time. participants are required to make their aircraft to climb for 20 seconds. After this, they need to perform a dead stick flight (throttle=0 or Gliding) and land at a specified location. The plane however can be maneuvered while it is gliding.