



Problem of the Month Application (Patent and Innovation Cell) form

Month – August 2021

Name of the problem: Automated Drone (UAV) Design.

Problem statement:

The stated problem is related with automated UAV (Unmanned Aerial Vehicle) Drone. The design and fabricate a quadcopter (no Readymade quadcopters are allowed) to carry 10 lt. and perform a set of tasks.

Propellers, Motors, ESC, Servos, Receiver and Transmitter are allowed as off-the-shelf items.

The Drone should fulfil the following requirement:

1. Maximum of 4 motors will be allowed.
2. Propeller diameter should not be greater than 10 inches.
3. Only electrical motors are allowed.
4. Use of stabilization board and programming assistance in receivers is prescribed.
5. The Drone should able to carry 10lts. of liquid, so design the size (rectangle, square, triangular, circular etc.) and position (top or bottom) of the container as per the suitability of your model.



Specify your solution with neat detailed drawing, bill of material etc.

Fill the Google form and send to the mail problemofmonth@sanjayghodawatuniversity.ac.in

For query, contact Dr. Abhijit Patil (7028025707).