

Rules of Drone Dance for AGRESITA-2023

1. Total duration of flight of the drone, during the dance will be 02 minutes (maximum)
2. There will be no trial or trial rounds once the competition starts.
3. Each team will have to bring their own drone model along with a transmitter and other accessories like spare batteries, chargers, voltage tester, etc.
4. Exchanging drones is not allowed.
5. Better performing teams/participants will be allowed for the next level and the decision of the judge(s) will be the final bidding to all.
6. NO FIREWORK/SMOKE should be used during the competition.
7. NO PAYLOAD is allowed.
8. For creativity purposes you can use Thermocol and Styrofoam and LED lights.
9. The choice of background music/song is entirely up to the participating team and the team itself has to bring its own music/song in a pen drive.
10. Battery should be of 3S with a maximum voltage will be 12.6V and a minimum voltage will be 11.6V. The voltage of the battery should lie between this during take-off.
11. Construct a drone of 60cm x 60cm x 60cm (L x B x H) size (Maximum) and a maximum weight of up to 02 Kgs. the Drone fits the mentioned specifications as long as the design and construction are primarily the original work of the team.
12. No marks will be awarded in case of any failure of landing (touch to the ground) and it may lead to the team losing the round.
13. No restriction on the material used in making the machine but metal propellers are not allowed.
14. A team can use only one model throughout the event in all the rounds.
15. Please do not share any part of your aircraft (motors, ESC, Battery, etc.) with other teams. Each team is expected to carry all the equipment needed to participate in the competition.
16. Receivers installed in the drone must be in “receiver mode only”.
17. It is expected from all participating teams to be in sportsman spirit and use of any quarrelling or use of foul language will result in immediate expulsion from the event.
18. The organizing team will NOT be responsible for any injury to any person or loss of life or property to anyone participating or witnessing the event.

19. The organizers reserve all rights to change any/all of the above rules.

Model Specifications

1. The maximum possible distance between any two motor shafts of your bot should have a value between 25 cm and 50 cm. For example, in the case of the quadcopter, the diagonal length will be measured.
2. Metal Propellers are not allowed.
3. Any material can be used for construction.
4. Arduino and other boards can be directly used. You may or may not use pre-programmed boards.
5. Exchanging models is strictly not allowed. Each team must have its own model.
6. Throughout the event, only one model must be used in all rounds.
7. RTF models will not be allowed.
8. The use of a 2.4 GHz radio is required for all drones participating in the competition.

Resources

1. Electric Sockets (220-230V) will be provided to the teams for charging the batteries, radio sets, etc.
2. We strongly recommend you to bring your own tool kit.

Timing: 01:00 pm

Venue: Academic Block – Ground SSIPMT, Raipur

For any query, contact the student co-ordinator.

1. Vikas Kumar Matsayapal (7566532045)
2. Md. Sameer (70001-97350)