



CAM WARRIOR

Cam Warrior is a thrilling competition that combines drone piloting skills with drone engineering. Participants will navigate a challenging obstacle course using fpv specialized drones. This rulebook outlines the guidelines, rules, and regulations for the event.

1.

Prizes and Awards

1st – Rs 25,000
2nd – Rs 20,000
3rd – Rs 15,000

2. Eligibility:

2.1 Team size: Each participating group is limited to a maximum of three individuals. (Individual entries are allowed)

3. Registration:

- 3.1 Participants need to register for the event prior, and all the necessary documentation needs to be submitted.
- 3.2 Drone specifications must be provided at the time of registration.
- 3.3 Participants are requested to carry their personal identification card (Aadhar/Voter card) and college identity card with them at the event.
- 3.4 Each team must specify their Team Representative /Leader) at the time of registration on the Website/Unstop.
- 3.5 All-important communications between Drone Race event organizers and the registered teams will be done through their team representatives.
- 3.6 The team representatives must submit valid contact details (mobile no., email id etc.) at the time of the registration.
- 3.7 Team Representative must submit details about the college of every participant (if applicable).



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4. Drone Specs:

- 4.1 Frame size: 4 to 6 inches
- 4.2 Propeller size: up to 6 inches
- 4.3 Propellers- 2,3, 4 and more
- 4.4 Weight Limit: 2 Kg (max.)
- 4.5 All Types of drones allowed.
- 4.6 FPV goggles / FPV screen compulsory. No Line of Sight Flying allowed.
- 4.7 LiPo Battery Only. Battery size: up to 6S. Pilots will carry a minimum of 2 batteries.
- 4.8 Turtle mode allowed.
- 4.9 Pilots will carry their own battery chargers, charging points will be provided.
- 4.10 All type of materials are allowed
- 4.11 Pilots should bring their own soldering and other materials.
- 4.8 It would be preferable if the drone is DGCA certified.
- 4.9 It would be preferable if a screen display is present with a drone set up.
- 4.10 Pilots can use omnidirectional antennas on drones and antennas must be in good condition.
- 4.11 The drone has to be custom or commercial built.
- 4.12 Frames can be brought from the market.
- 4.13 Receiver Range: Minimum range of 500 meters.

5. Event Structure:

5.1 Mode – Offline

5.2 Race Format

5.2.1 Round 1: Qualifying Round

- Teams compete for a place in the next round based on performance.
- Navigate through the Obstacles in minimum time.
- Time-based penalty for mid-air collision.

5.2.2 Round 2: Final Round

- Qualified teams compete for the first three positions.
- Will be declared on the Event Day.

6. Venue Rules:

6.1 Pilots must adhere to all rules within the competition venue and will not fly in any other part of the venue unless it is a designated flight zone.

6.2 All batteries must be stored in a LiPo-safe bag or in an approved, fire-resistant container.

6.3 Pilots must stay within all prescribed flight paths.

6.4 Pilots must adhere to the prescribed launch sequence. No movement before the starting signal. False starts will incur a penalty.

7. Safety Guidelines:

7.1 Compliance with local, national, and campus drone operation regulations.

7.2 Pre-flight check by volunteers for drone functionality.

7.3 Prohibition of drone use in designated no-fly zones

7.4 Flying altitude of the drone should as per government regulations (20m).



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8. Code Of Conduct

- 8.1 Respect for all participants, staff, and spectators.
- 8.2 Responsible drone operation and non-interference with other participants.
- 8.3 Compliance with competition rules and guidelines.
- 8.4 Cooperation with event organizers and staff.
- 8.5 Without permission photography and videography is not allowed in college premises using Drone.
- 8.6 Promotion of good sportsmanship and fair play.
- 8.7 Proper equipment care and dispute resolution protocols.

9. Judging Rules:

- 9.1 All races will be governed by an appointed team of judges/organizers.
- 9.2 A team that fails to appear within the prescribed period will be disqualified.
- 9.3 All races will follow the general rules and regulations of the competition.
- 9.4 Each race will be monitored by judges, cameras, timing/lap systems and volunteers to maintain fair and accurate competition.
- 9.5 In the event of a mid-air collision, pilots can resume the race from the previous checkpoint if they can take off again with the intervention of a volunteer and without replacing any component, otherwise their hit is considered a **Did Not Finish**.
- 9.6 Any practice or behavior deemed unsafe, (i.e., flying above the max ceiling height) will result in an immediate disqualification.
- 9.7 Matters not mentioned in these regulations will be resolved by the main referee.
- 9.8 It is not possible to appeal the decision of the main referee
- 9.9 The organizer is not responsible for damage caused to vehicles during the competition.
- 9.10 In case of bad weather conditions, the organizer may change the place and/or time of the competition.
- 9.11 The organizer is allowed to change the rules before the competition.

10. Repair and Maintenance:

- 10.1 Participants are required to bring their tools and parts for any repair or changes required.
- 10.2 Participants are allowed to use only one drone throughout the tournament. Not following this rule may lead to disqualification.

Note: The rules outlined in this rulebook are subject to change. Any modifications or updates to the rules will be communicated to all participating members before the start of the event.