



# 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: 800g (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.