

Organized by: Motion Robotics, Pune

 **Dates: November 16, 2025**

 **Venue:** Cambridge International School, Akurdi, PCMC, Pune.

Google map's location: <https://share.google/9rHx8Pm8lYo0yYLow>

- **Registration Fee:** ₹1500 per team & ₹1000 for Individual participation
- **Last Date to Register:** 10th Nov, 2025
- **Contact:** 9730480960, Motionrobotics@gmail.com
- **Website:** www.motionrobotics.in

Problem Statement

Welcome to **Drone Dash**, a high-speed aerial challenge where participants must pilot a provided drone through a series of suspended rings and land precisely on two designated platforms. The event tests spatial awareness, control finesse, and strategic maneuvering in a controlled indoor environment. With limited time and precision required, only the most skilled pilots will soar to victory.

Event Overview

- **Drone Provided:** All participants will use the same model of drone provided by the organizers to ensure fairness.
- **Objective:** Fly through a sequence of rings and land on two separate platforms in the correct order.
- **Environment:** The challenge takes place in a fully enclosed indoor arena with safety netting and barriers.
- **Entry Fee:** ₹250 per attempt (each team may register for multiple attempts)

Arena & Task Details

Arena Setup

- **Dimensions:** Approx. 6m × 6m × 3m enclosed space
- **Safety Netting:** Surrounds the entire arena to prevent drone escape or spectator injury
- **Obstacles:**
 - 5–7 rings suspended at varying heights and angles

- Two landing platforms (marked A and B) placed at different elevations and positions

Task Flow

1. **Take off** from designated launch pad
2. **Fly through all rings** in sequence (missing a ring incurs penalty)
3. **Land on Platform A**, hover for 3 seconds
4. **Take off again**, fly to Platform B
5. **Land and stop timer**

Timing & Attempts

- **Max Time per Attempt:** 3 minutes
- **Attempts Allowed:** Multiple (₹250 per attempt)
- **Best Attempt Considered:** Fastest successful completion with least penalties

Judging Criteria

Criteria	Description	Weightage
Completion Time	Total time taken to finish the task	40%
Ring Accuracy	Number of rings successfully passed	30%
Landing Precision	Stability and accuracy on both platforms	20%
Control & Safety	Smoothness, no crashes, safe handling	10%

Team Composition (Individual Event)

- Open to students from all disciplines
- No personal drones allowed

Safety Guidelines

- All participants must wear safety goggles (provided at venue)
- No physical contact with the drone during flight
- Only event staff may retrieve drones after crashes
- Spectators must remain behind safety barriers
- Any reckless flying or violation of safety rules will result in disqualification

Check-In & ID Requirements

- **Reporting Time:** 08:30 AM to 10:30 AM on event day
 - **ID Card:** School ID is mandatory for all participants
 - **Late Entry:** Not allowed after 10:30 AM
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Awards & Recognition

- 🏆 Fastest Flight Champion
- 🎯 Precision Pilot Award
- 🛠️ Best Control & Maneuvering
- 💡 Smart Strategy Award (for creative flight paths)

 A general view of a simple enclosed drone arena, showing rings and landing pads.



Navigate, Land, Conquer!