



UIU ROBOTICS  
A Step Towards Infinity!



# Shoot Up

## Rules:

- A team will be allowed of maximum 5 members.
- Participants must submit their quads to the organizing committee before 11am.
- A team will be given of 6 minutes to complete the track.
- The Quadcopter should be operated manually.
- In case of ground touching , **for every touch 10 points will be deducted.**
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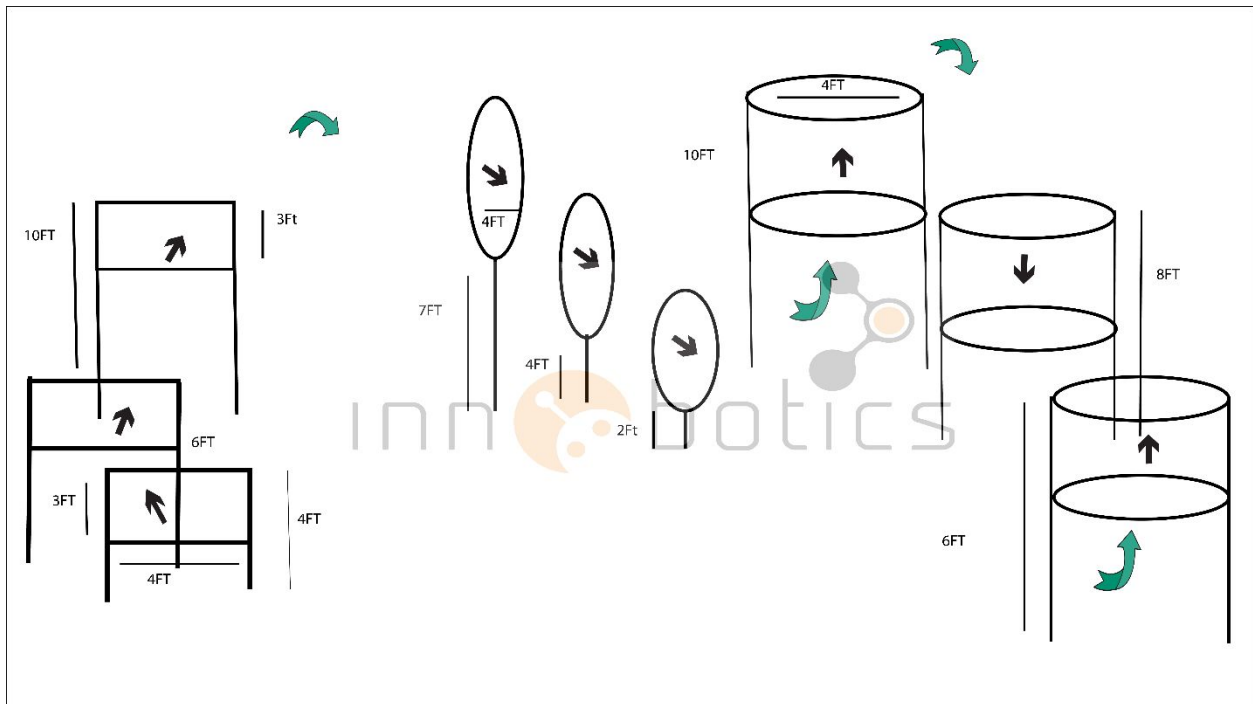
## Restrictions:

- Pilot should stay in the zone allotted for Pilot, crossing the zone will result in the deduction of 20 points each time.
- Drone rotor to rotor distance must be atleast **250 mm.**
- You are not allowed to jam any device (if caught the team will be disqualified)
- Autopilot, Sonar, Obstacle avoidance system and auto leveling mode ex: Loiter, alt hold etc. are strictly prohibited, if not followed will result in disqualification.
- Trial runs in the track are not allowed.
- If quad crosses the height of 25 feet **will result in disqualification**
- Ready-made quadcopter (except frame) will not be allowed.
- GPS fitted (if any) should be removed or disconnected before competition.



**Track Details:**

- Starting and Ending place will have a circular surface with a diameter of 5 feet. There will be more circles having the same diameter
- Quad will have to go through 9 obstacles .
- [Check the arena layout for further details.](#)





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## **Points Scoring:**

### **Obstacle 1**

- 30 points for clearing each box cleanly
- 15 points if quadcopter collides with
- -15 points for skipping obstacle

### **Obstacle 2**

- 30 points for clearing each circle
- 15 points if quadcopter collides with frame
- -25 points for skipping obstacle

### **Obstacle 3**

- 50 points for going through cylinders
- 25 points if quadcopter collides with frame
- -25 points for skipping obstacle

+60 points for successful landing at the end of the allotted time. Participants will be given 20 seconds to complete their landings



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**NB:**

- The organizer's reserve the right to make changes to any of the above in the interest of fair play and sportsmanship, and to ensure that all competitors have an enjoyable competition.
- In the event of ambiguity, the organizer's interpretation of any clauses of the rules shall prevail.

