

NIRMAN

THE FOURTH EDITION

DRONE LEAGUE

RULEBOOK

Silicon Innovation Promotion Cell (SIPC)
Silicon University, Bhubaneswar, Odisha, 751024

EVENT DESCRIPTION

No of Members in a Team: 2-3

Event Description:

The Drone League Challenge is an electrifying competition where innovation meets adrenaline! Pilots will navigate their drones through challenging obstacles and sharp turns, showcasing speed, precision, and control. This high-stakes race tests both piloting skills and engineering excellence, offering a thrilling platform for drone enthusiasts to soar to victory. Are you ready to take flight?



ROBOT SPECIFICATIONS

1. Upto 10-inch props
2. 21-inch max frame size
3. Two, three, four, or six-blade maximum FPV goggles or an FPV screen are recommended but not compulsory. Line-of-sight flying is allowed.
4. Any material for props but not Carbon Fiber.
5. Maximum drone weight: 2 kg (excluding battery).
6. Pilots will carry a minimum of 1 battery
7. Pilots will carry their battery chargers, and charging points will be provided.
8. Pilots should bring their soldering and other materials.
9. All frames must pass a safety and airworthiness inspection. Once the airframe has been checked and approved, it must not be modified or changed, or it will need to be re-inspected.
10. Pilots can bring custom launchpads that do not impart any energy into the drone.
11. Pilots will only use omnidirectional antennas on quads and antennas must be in good condition.

GENERAL RULES

- A timing system may be used to officially track the time of each pilot throughout the track.
- The decision of the judges will be final and no sort of disputes will be entertained. Pilots must stay within all prescribed flight paths.
- All pilots will be allotted their respective frequencies.
- Any lap including finals will restart only if there is a false start or contact between any two drones resulting in a crash before the start gate.
- Pilots must adhere to the prescribed launch sequence. No movement before the starting signal.
- Pilots that have crashed at any point during the heat and are unable to resume racing must DISARM their aircraft and wait until the lap is over.
- Race tracks would have gates, pilots must successfully fly through all gates, around the flags, and other obstacles (if any) on the course.
- If a pilot misses an obstacle or gates, they must safely turn around and attempt the obstacle again.
- If they don't turn around and continue to race, that entire lap would not be counted.

PRIZES

1ST RS 10,000

- Nirman Merchandise & Goodies
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2ND RS 7,000

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3RD RS 5,000

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CONTACT US

Contact us at:

nirman@silicon.ac.in

Find us at:

nirmansilicon.tech

Call us on:

+91 7846996759

+91 8018359314