

INNOVATEX 4.0 – Presidency University

MakerSpace Cluster | Standard Rule Book Format

Event Overview

Field	Details
Event Name	DRONE SOCCER LEAGUE
Cluster	MakerSpace Cluster
Event Type	AERO BOT
Mode	Offline
Team Size	Team of 2–4 Members
Duration	Full Day

Event Task / Objective

Participants must operate a fixed-wing radio-controlled drone soccer which Team hits the goal first they will be selected for next rounds. By this Teams will be selected for final round

The competition evaluates:

- Clearing goal with efficiency
 - Drone Controlling and performance
 - Fight safely and be patience
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General Guidelines

- 1) Registration Fee will not be refunded.
- 2) Registered members must show their proof of payment / Reg.No .
- 3) Participations must be on-time.
- 4) **All Drone systems will be provided by the organisation Team.**

- 5) Only registered players are allowed to operate drones inside the arena:
- 6) Organizers will provide basic details of the arena (On-spot).
 - a. Detail dimension of arena.
 - b. Safety of drones while operating.
- 7) Any unsafe or unethical behavior will lead to disqualification.
- 8) The same Drone will be used for all rounds.
- 9) Only students may participate (valid ID mandatory).
- 10) Sharing of Team Ideas is prohibited.
- 11) Participants can't change teams according to rounds.
- 12) Organizers will inspect all the Soccer Race point-to-point.
- 13) In the arena, only a flyer is allowed to fly from the designated area & no cross communication with the team is allowed .
- 14) Student coordinators or judges can change rules anytime (if required).
- 15) Pilots can't be changed and no other participants are allowed in the arena.
- 16) Disturbing or making the misuse of the arena components, destroying the other team drones are strictly prohibited.

TECHNICAL / GAME RULES

1. A team must consist of 2-3 players.
2. Soccer Drone will be given to each team.
3. At a fixed time Game starts
4. Who will cross the goal First they will be selected to next round
5. Finally after 3-4 rounds the winner will be decided.
6. Reference link:- <https://youtu.be/fz-dK5XaLI?si=3TxRgnXlrJ9fKJX> **(ONLY FOR REFERENCE).**

Safety Rules

- All equipment must comply with safety regulations.

- Participants must follow event venue safety instructions.
- Drones / RC vehicles must include propeller guards or fail-safes.
- No flammable, high-voltage, or hazardous materials allowed.
- Spectators must remain outside designated operational areas.
- Flying outside the designated area leads to immediate disqualification
- Drone must never fly over:

Judges

Organizers

Spectators

- If violated, pilot must immediately land / Stop the game
- Take-off and drop zones may be adjusted due to wind or ground conditions

Event Rounds / Structure

Round	Description	Round
1st Round (Preflight check)	Round 1 –Drone must safely take off, fly for 3 rounds in the fly area boundaries .	1st Round (Preflight check)
2nd round (Acrobatic round) Eliminatory round	Round 2-Participants must Aware of time given by the organiser to clear / kick the goal	2nd round (Acrobatic round) Eliminatory round
3rd round (Stunt round)	Round 3-Participants must perform stunts with Drones inside the arena with obstacles.	3rd round (Mop UP round)

Judging Criteria

Criteria	Weightage
Innovation & Creativity	25%
Technical Implementation	25%
Functionality & Working Output	20%
Practicality / Real-World Impact	25%
Presentation & Documentation	5%



Submission Guidelines

Final submissions must include:

- ✓ On-spot technical inspection clearance.
- ✓ Team details (Team name, members, institution).



Scoring Overview

Parameter	Max Points
controlling	50
Arena disciplination	15
Safety & Compliance	25
Innovation / Aesthetics	10
Total	100

Penalties & Disqualifications

Violation	Penalty
Late operation	-10 Points
Unsafe Operation	Immediate Disqualification
Disturbing opposite team.	-20 Points
Violation of Safety Zone	-15 Seconds / -10 Points
Misconduct or Unethical Practice	Permanent Ban from Game



Awards & Recognition

Category	Prize	Remarks
1st Prize	₹15000	Winner
2nd Prize	₹10000	Runner-up
3rd Prize	₹7000	2nd Runner-up



Event Team

Role	Name	Department / Club	Contact
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Faculty Coordinator	Dr.Divyarani MS	ECE	9480313352
Event Lead	ABHINANDAN B DHOTRE	ECE	8660518704
Technical Mentor	SUHAS	BUILD CLUB	6364743539
Operations Lead	AMOGH KOMPAL	ECE	9164622008
Logistics & Media Lead	PRAGATHI	ECE	9108306785

General Instructions

- Follow all university and MakerSpace cluster policies.
 - Respect judges, peers, and staff.
 - Any form of plagiarism or code reuse will lead to disqualification.
 - Decisions of the judges are final and binding.
 - Certificates will be awarded to all valid participants.
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Official Note

This Rule Book serves as the official guideline for all MakerSpace Cluster events under INNOVATEX 4.0, Presidency University.

Any updates or clarifications will be communicated officially via the MakerSpace WhatsApp community and notice board.